

09885217-062001

BEST AVAILABLE COPY

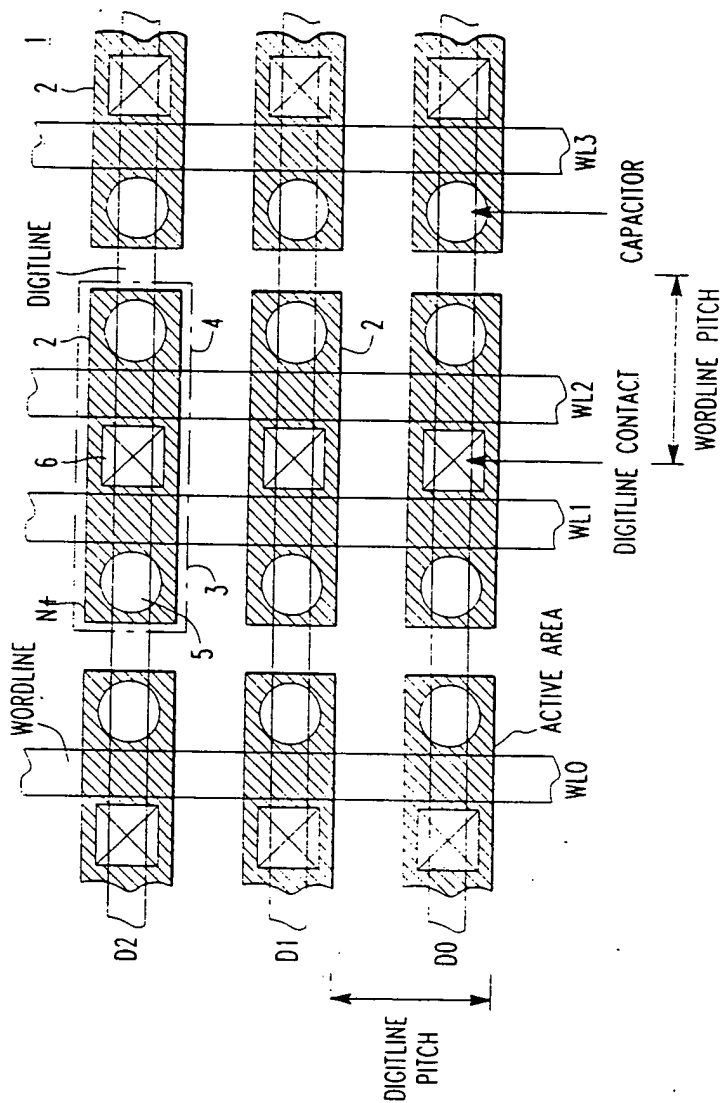
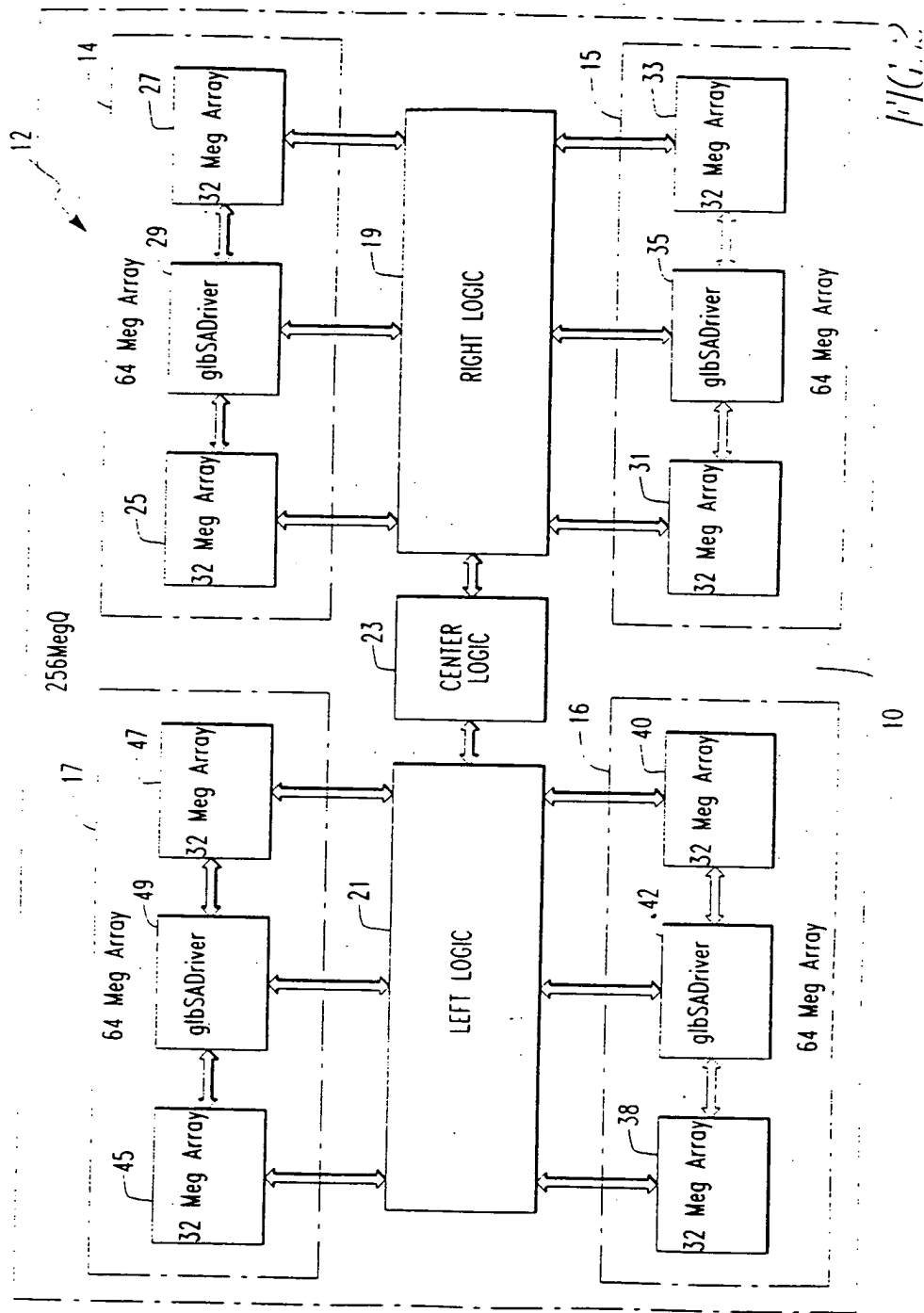


FIG. 1

[illegible]

1762

FIG. 3A

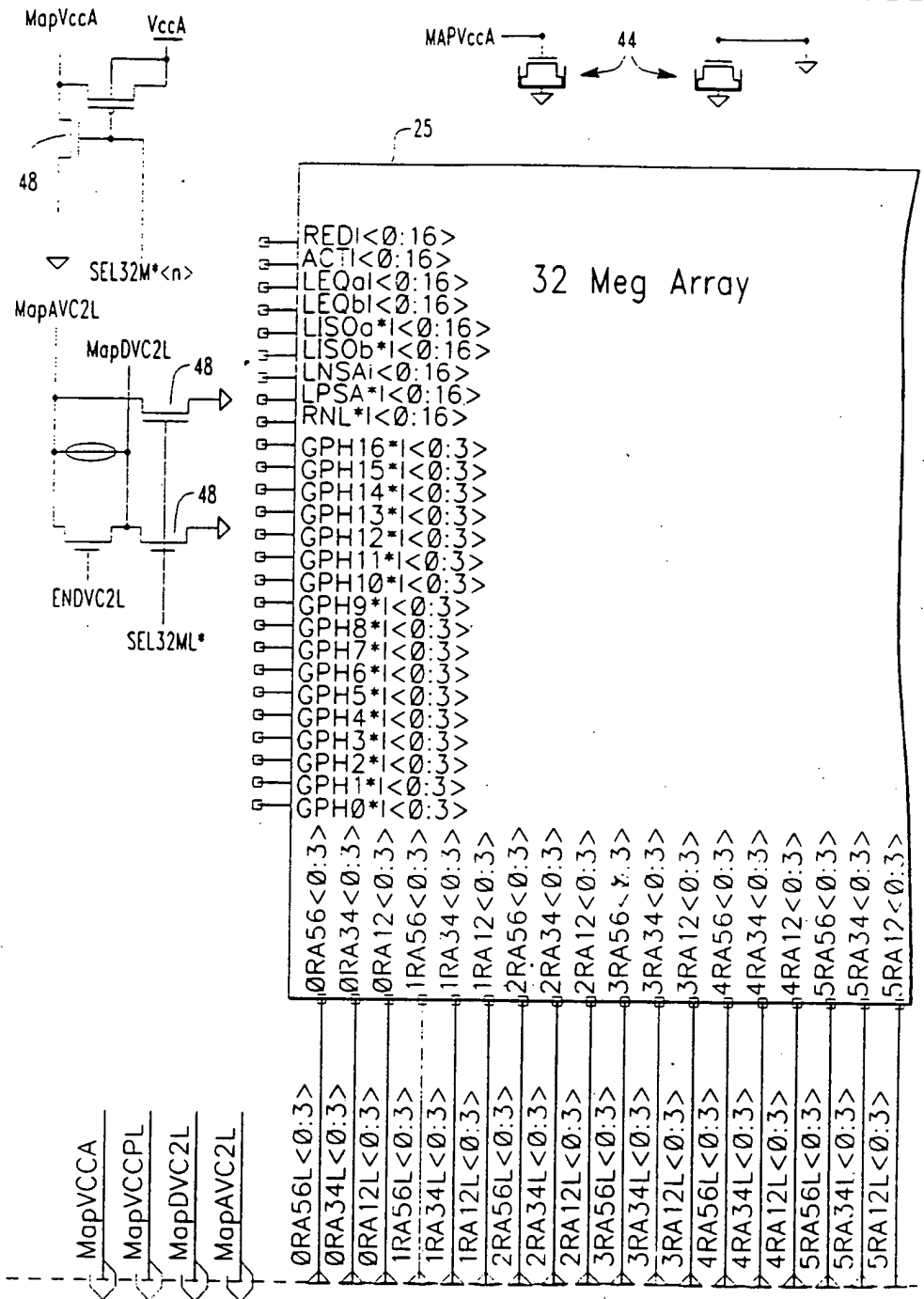


FIG. 3B

110290-125880

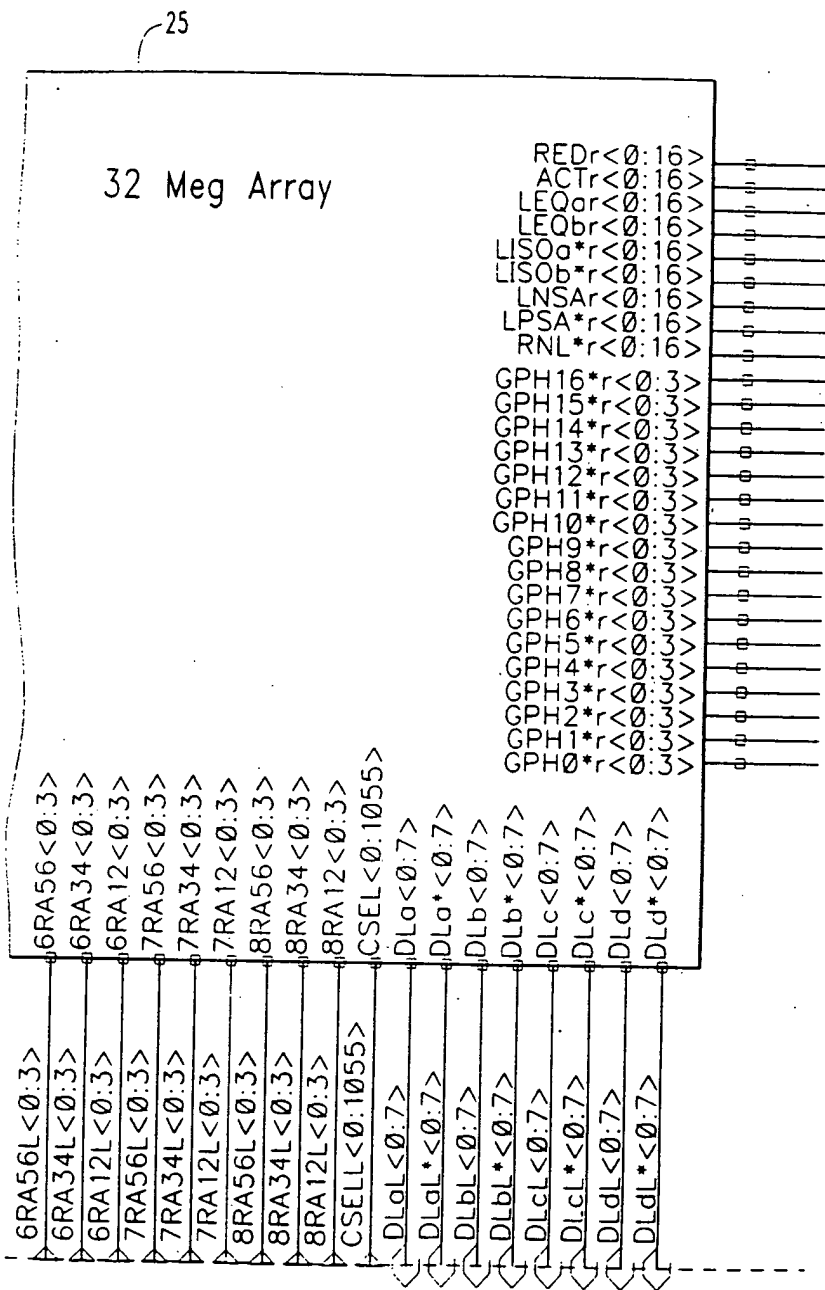
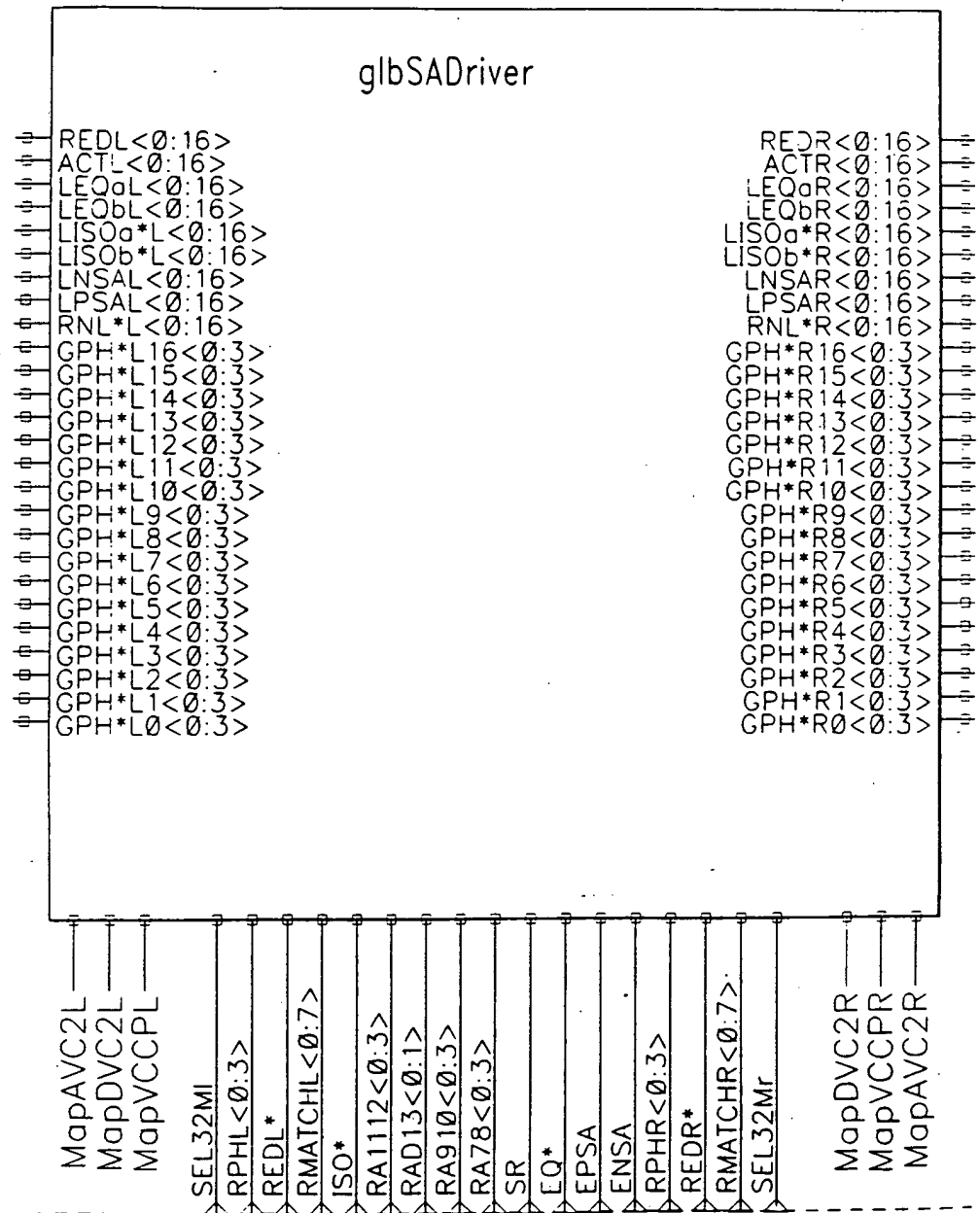




FIG. 3C

64 Meg Array

- 29



6,367

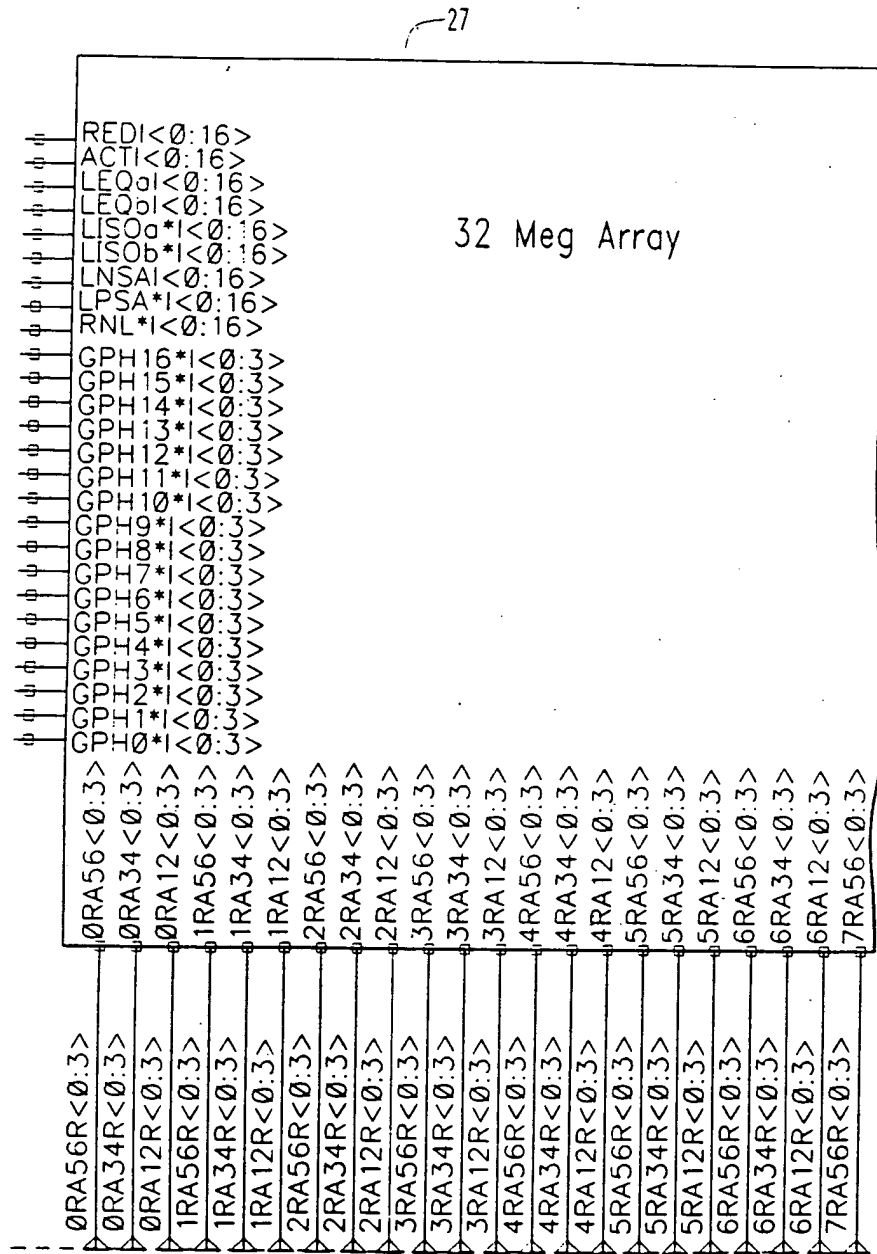
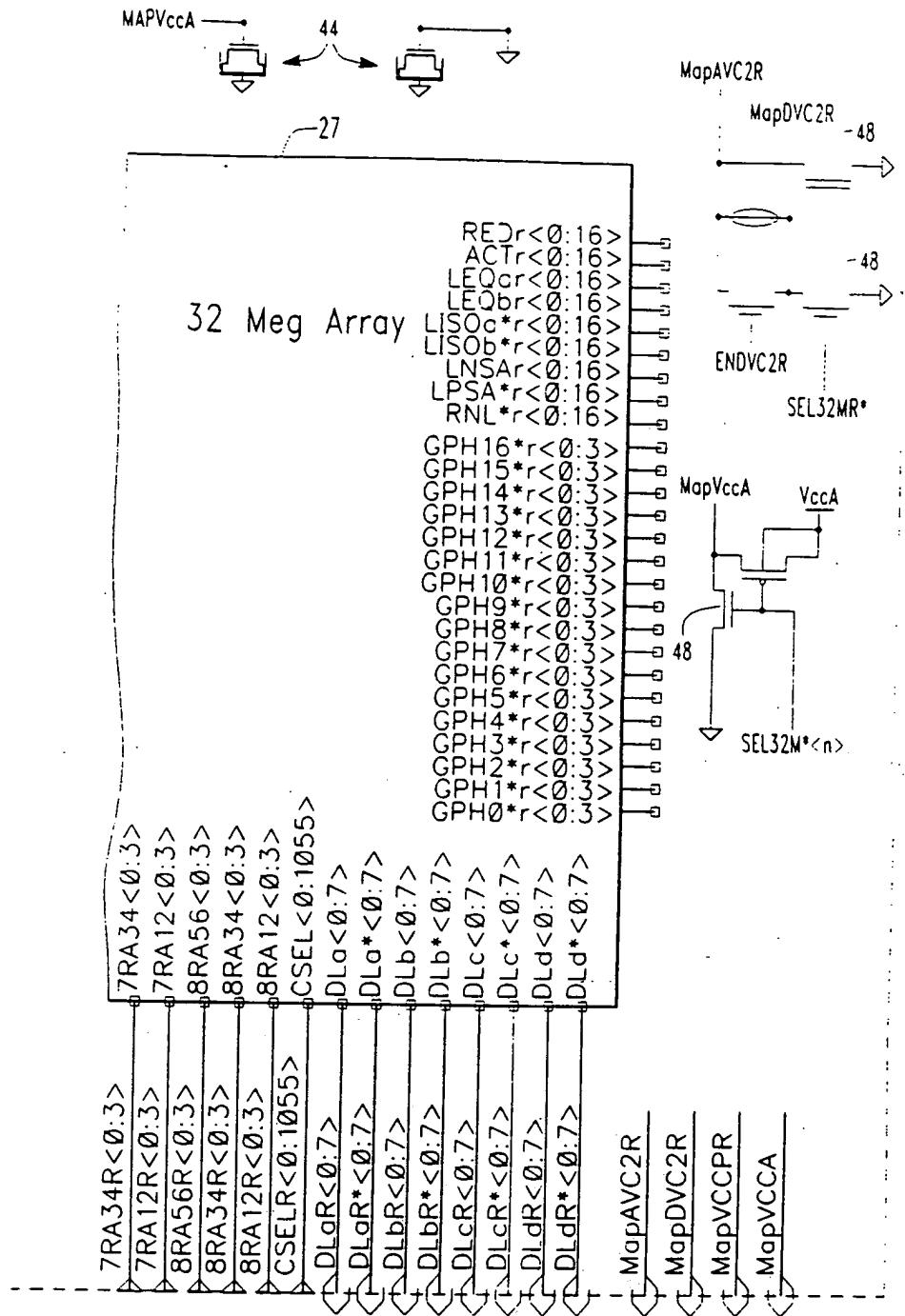


FIG. 3E

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1002967259860



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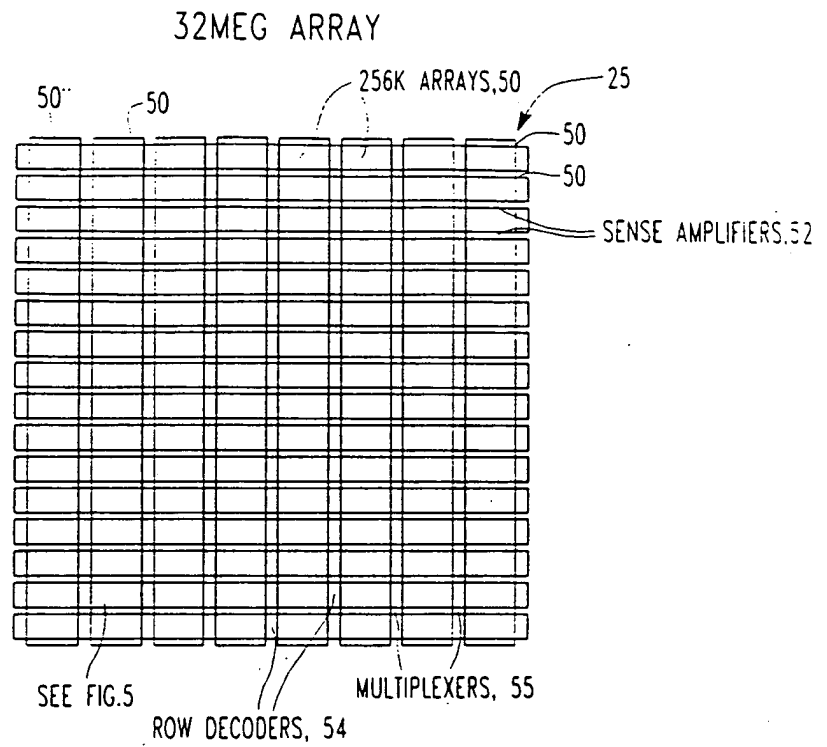


FIG. 4

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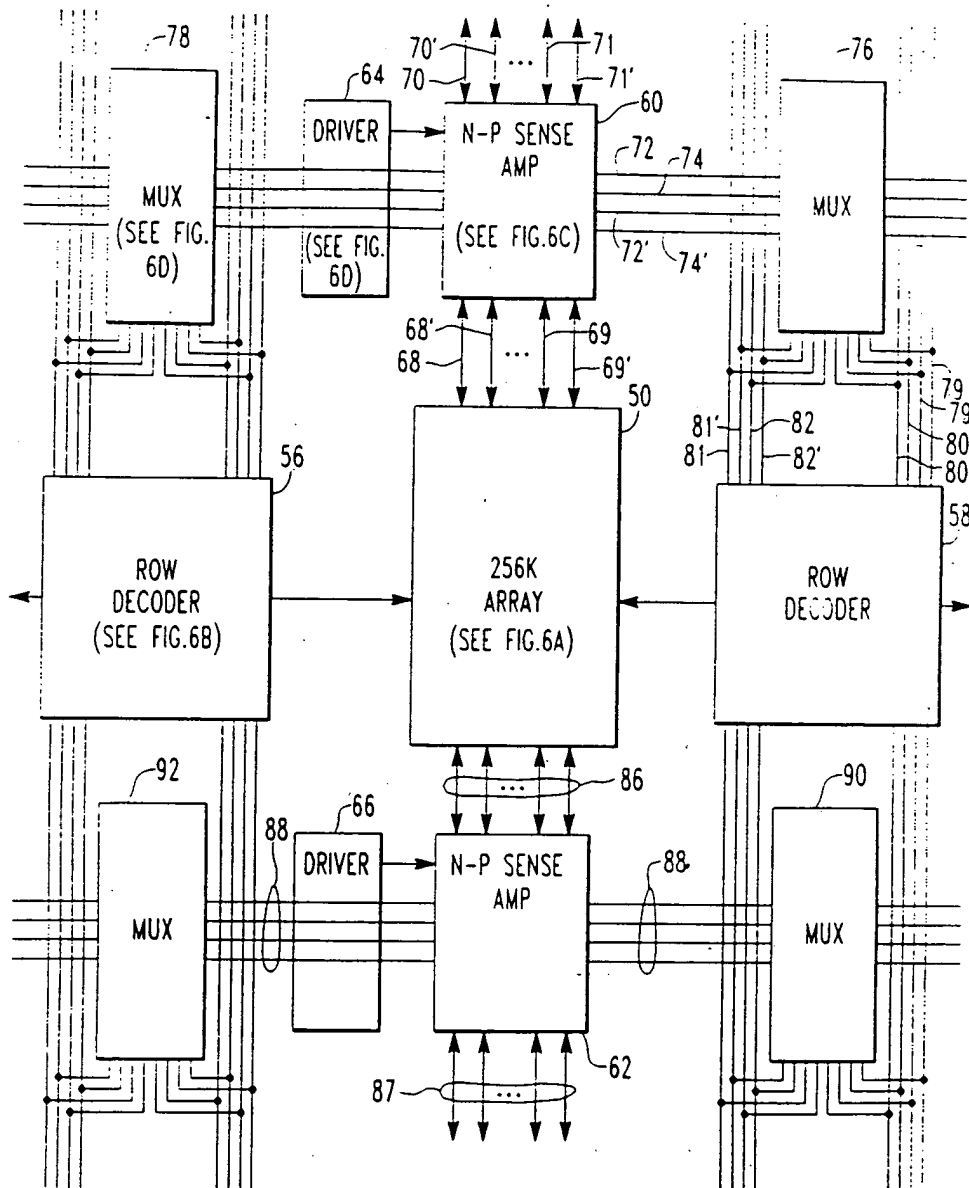


FIG. 5

10,367

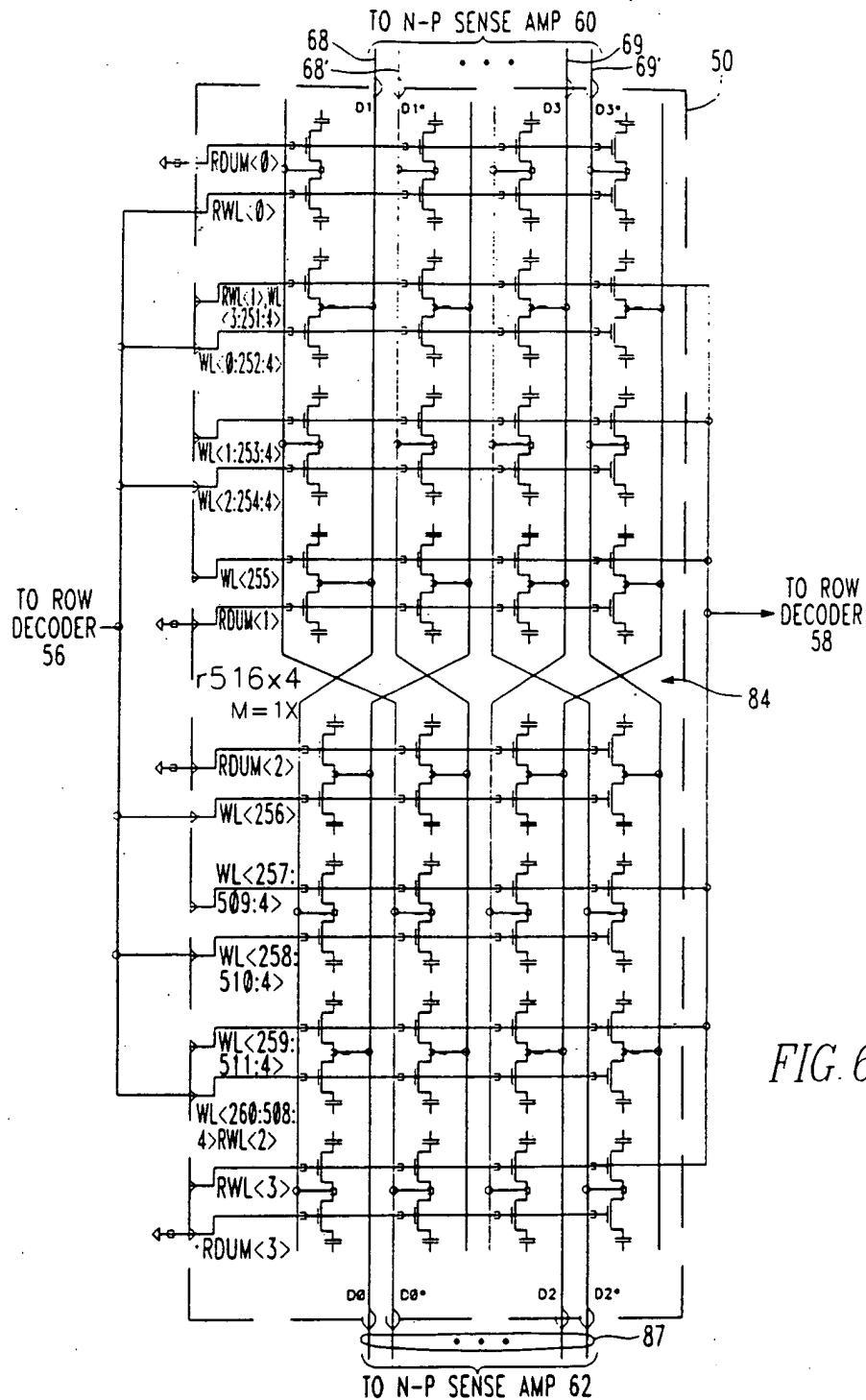


FIG. 6A

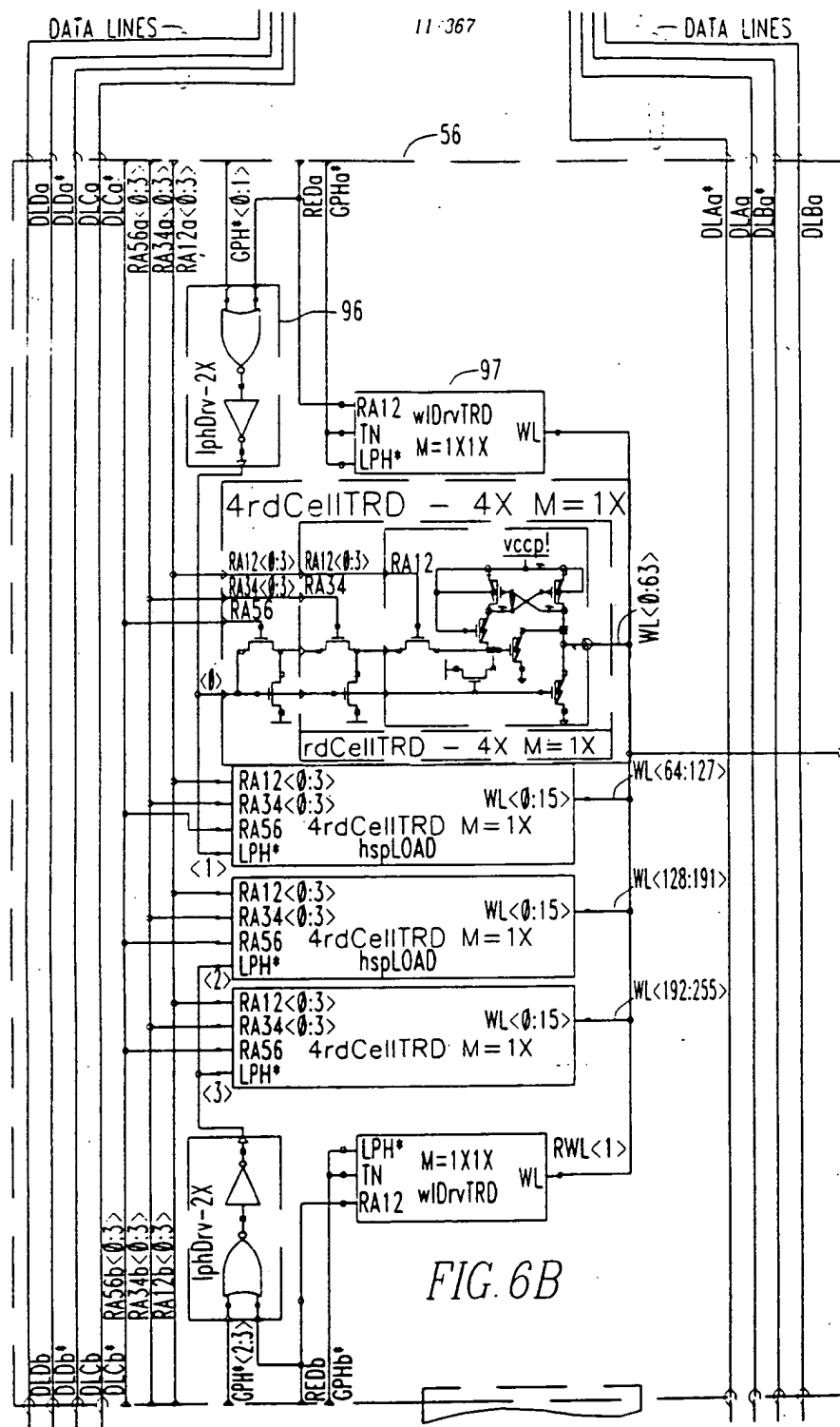


FIG. 6B

Connections of odd/even columns to IOa and IOb alternates with odd/even column select lines:  
CA01\* D1(even) D2(odd)



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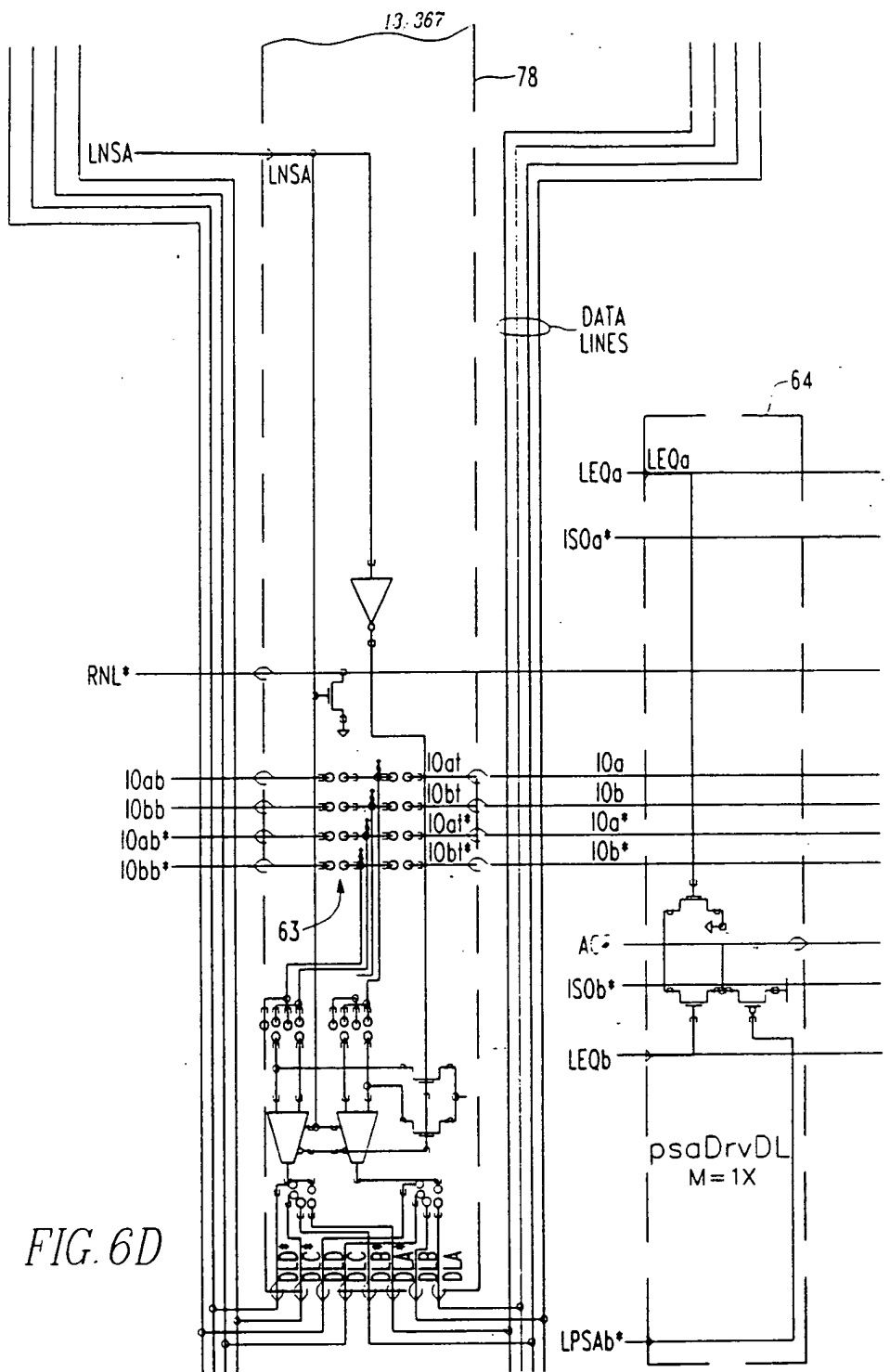


FIG. 6D

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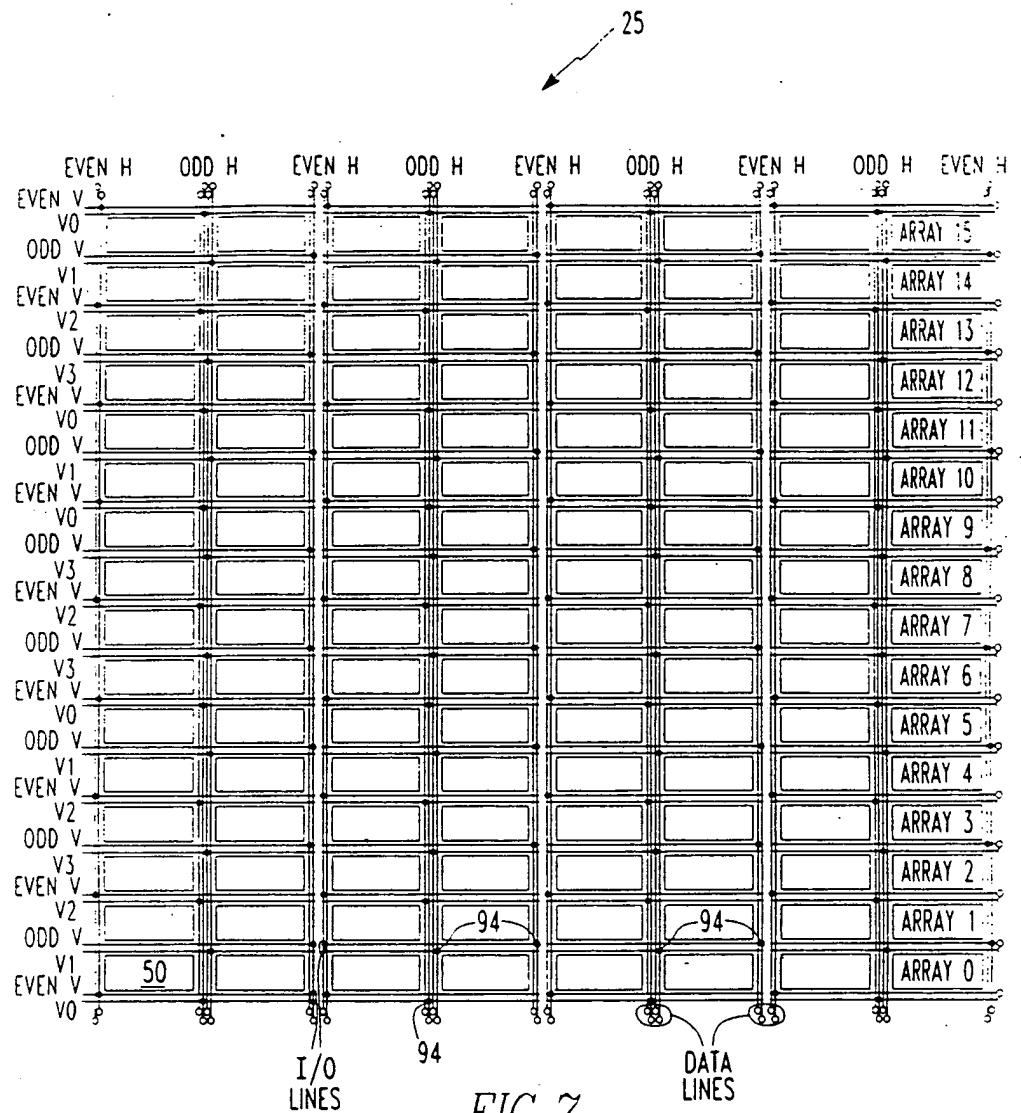


FIG. 7

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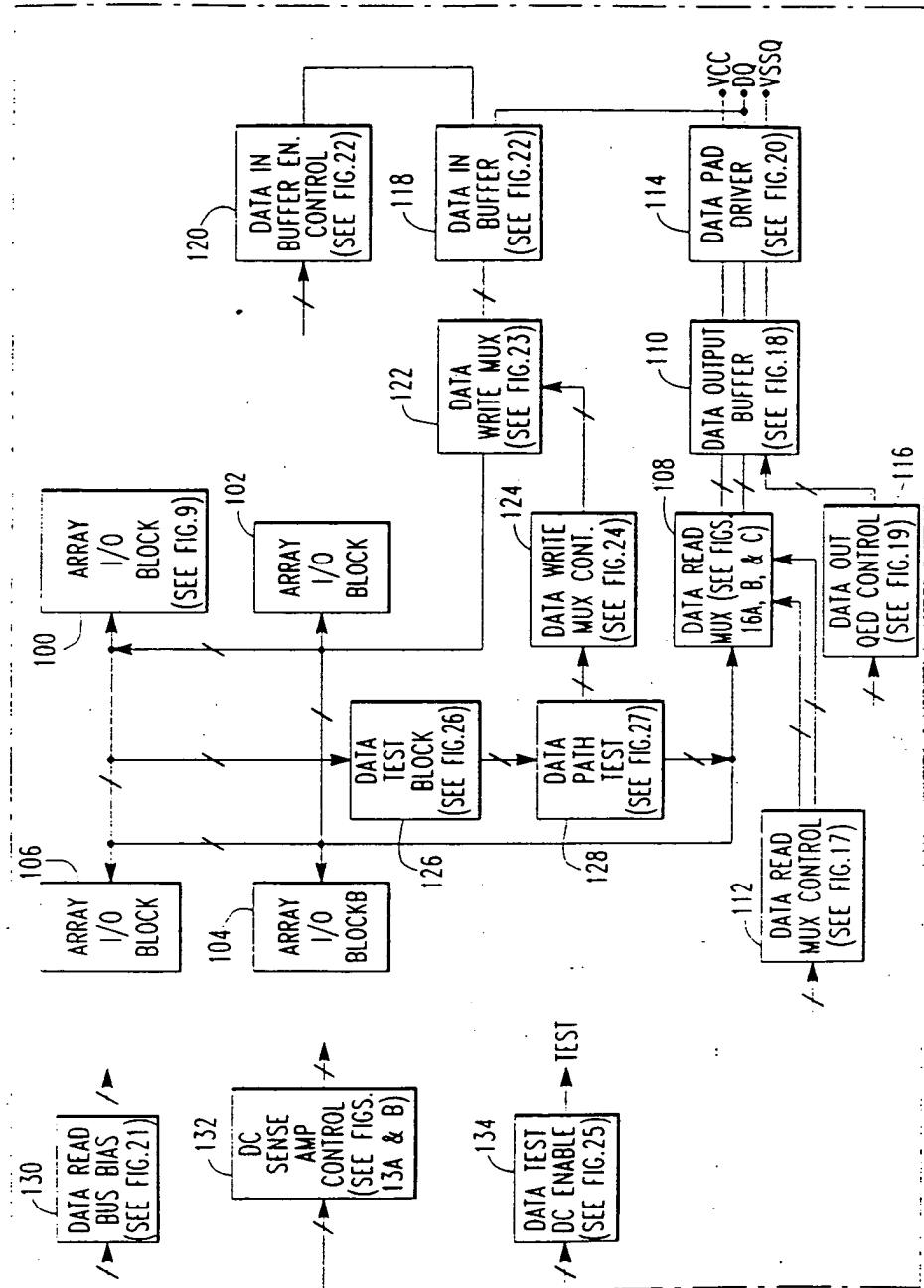
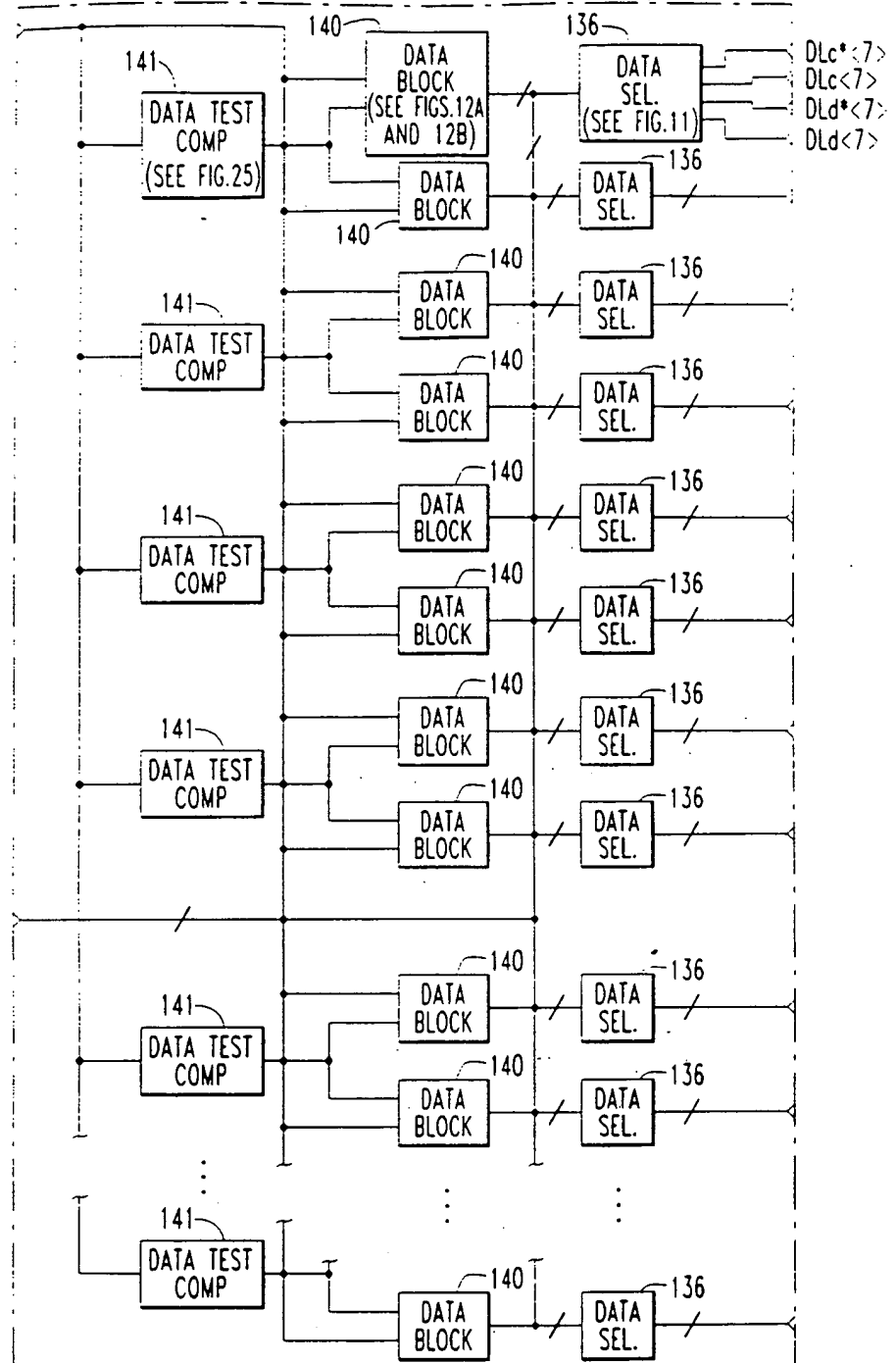


FIG. 8

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-100



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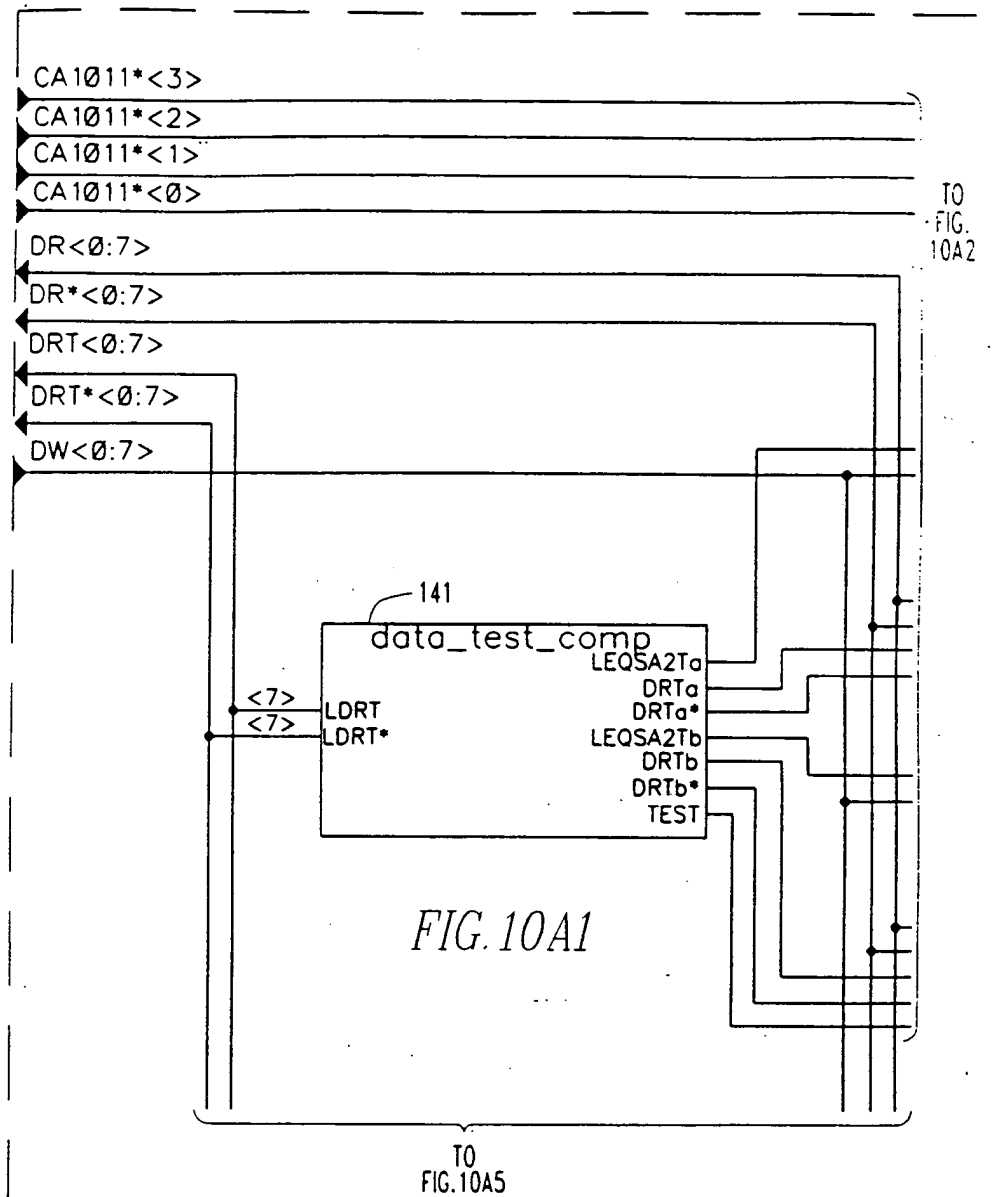
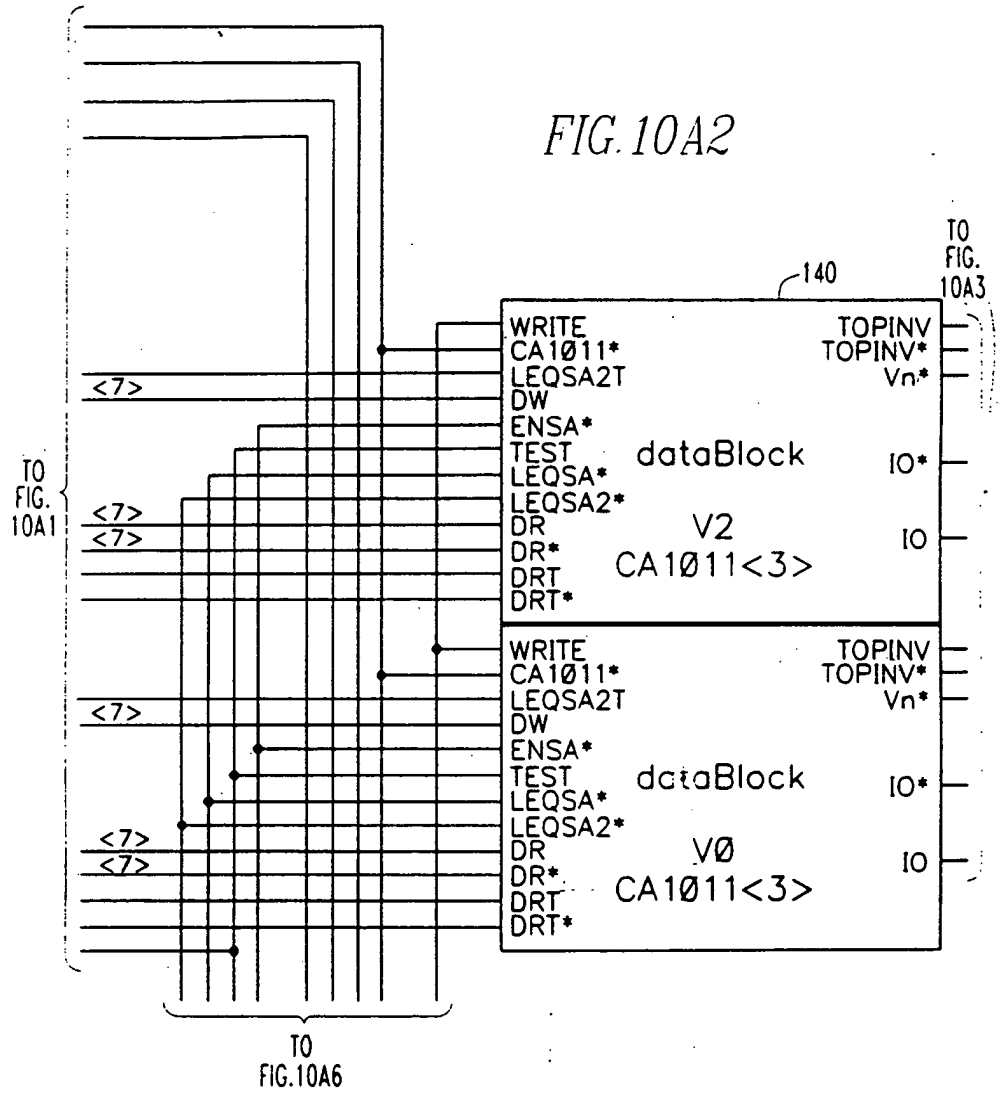
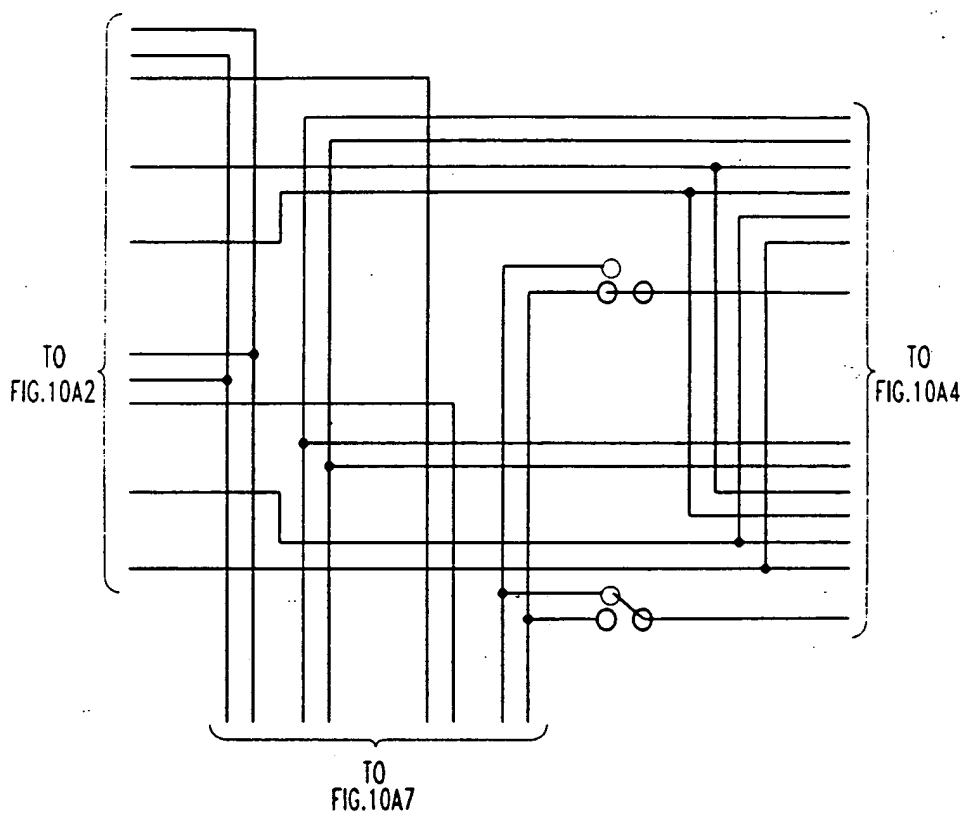


FIG. 10A2



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FIG. 10A3

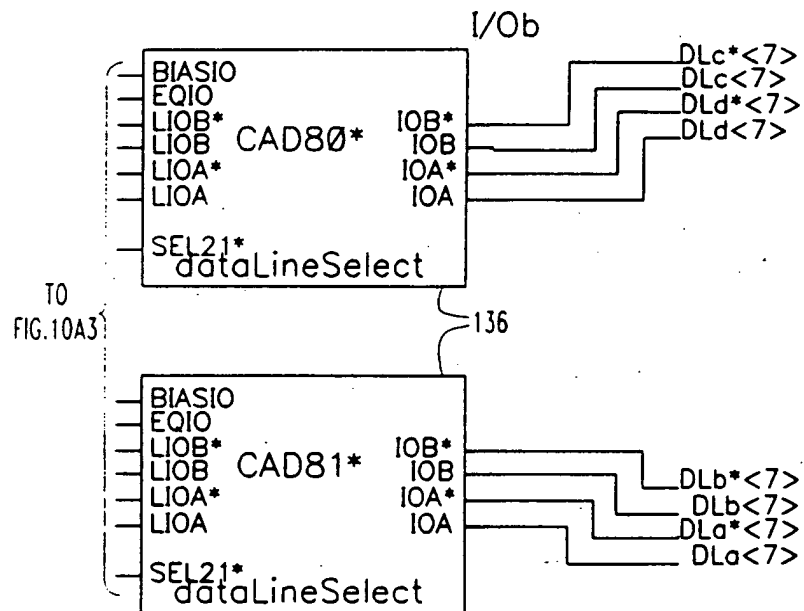


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arrayIOBlock

100

FIG. 10A4





21,367

100290-125860

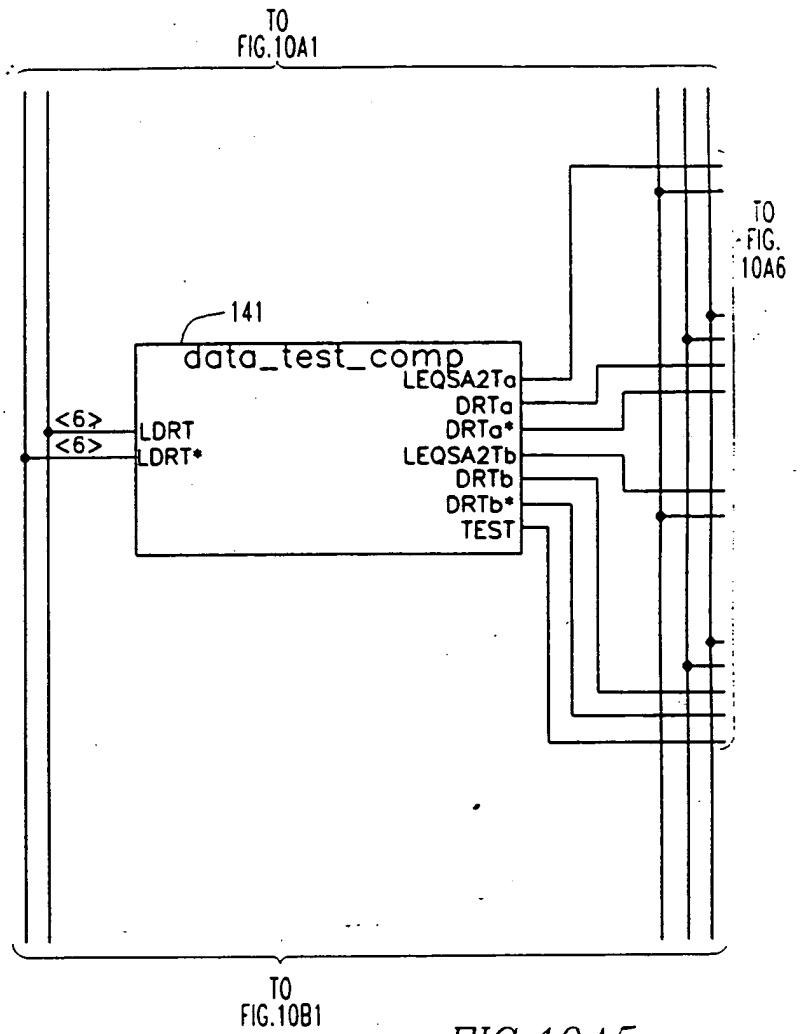


FIG. 10A5

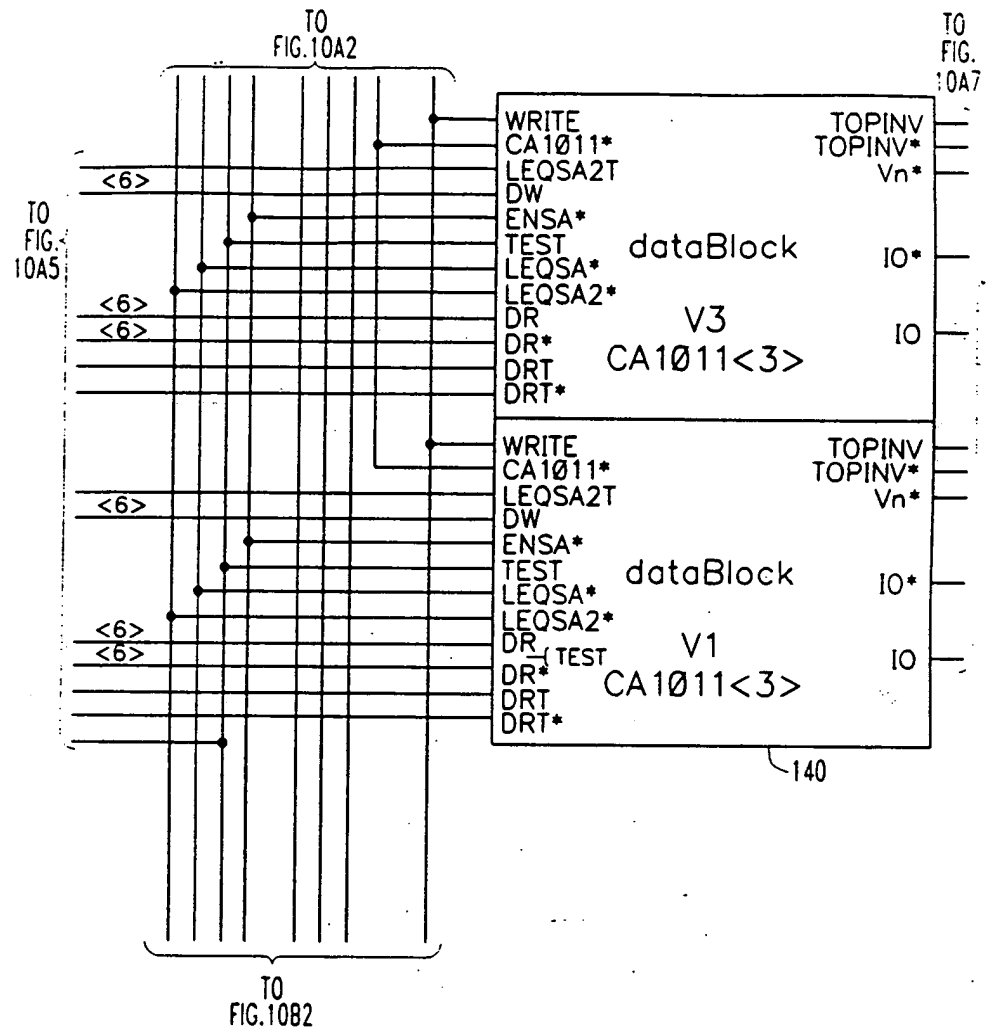


FIG. 10A6

09885217-062001

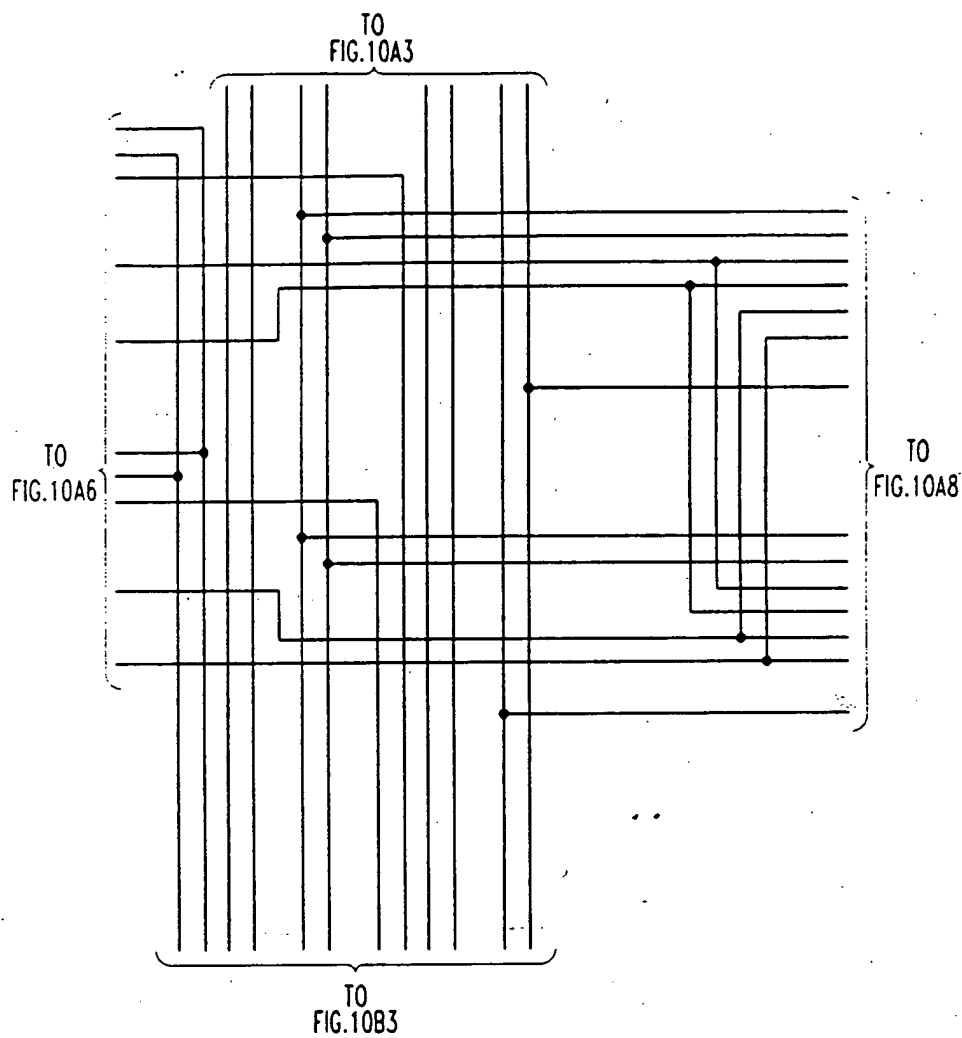


FIG. 10A7

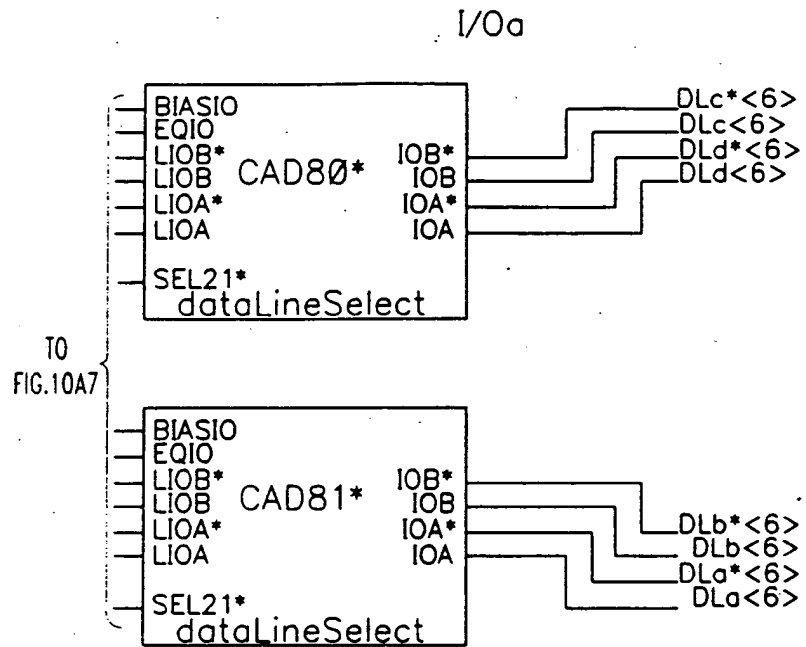


FIG.10A8

25.367

09885217062001

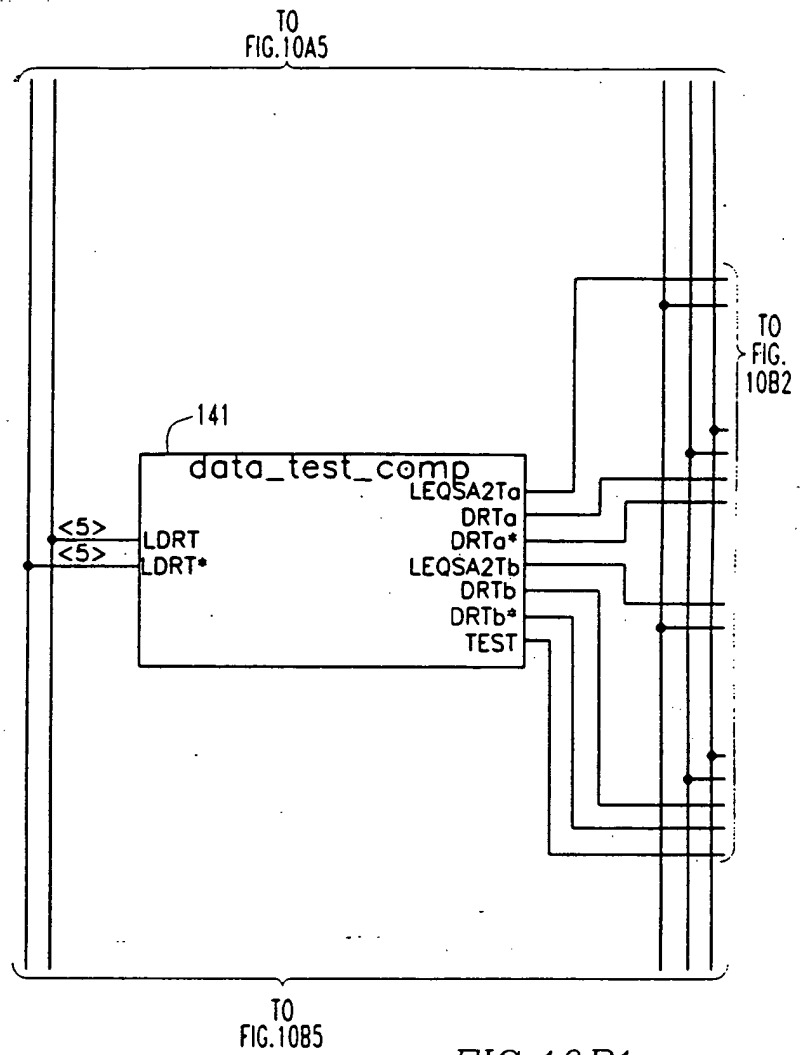


FIG. 10B1

05885217-162001

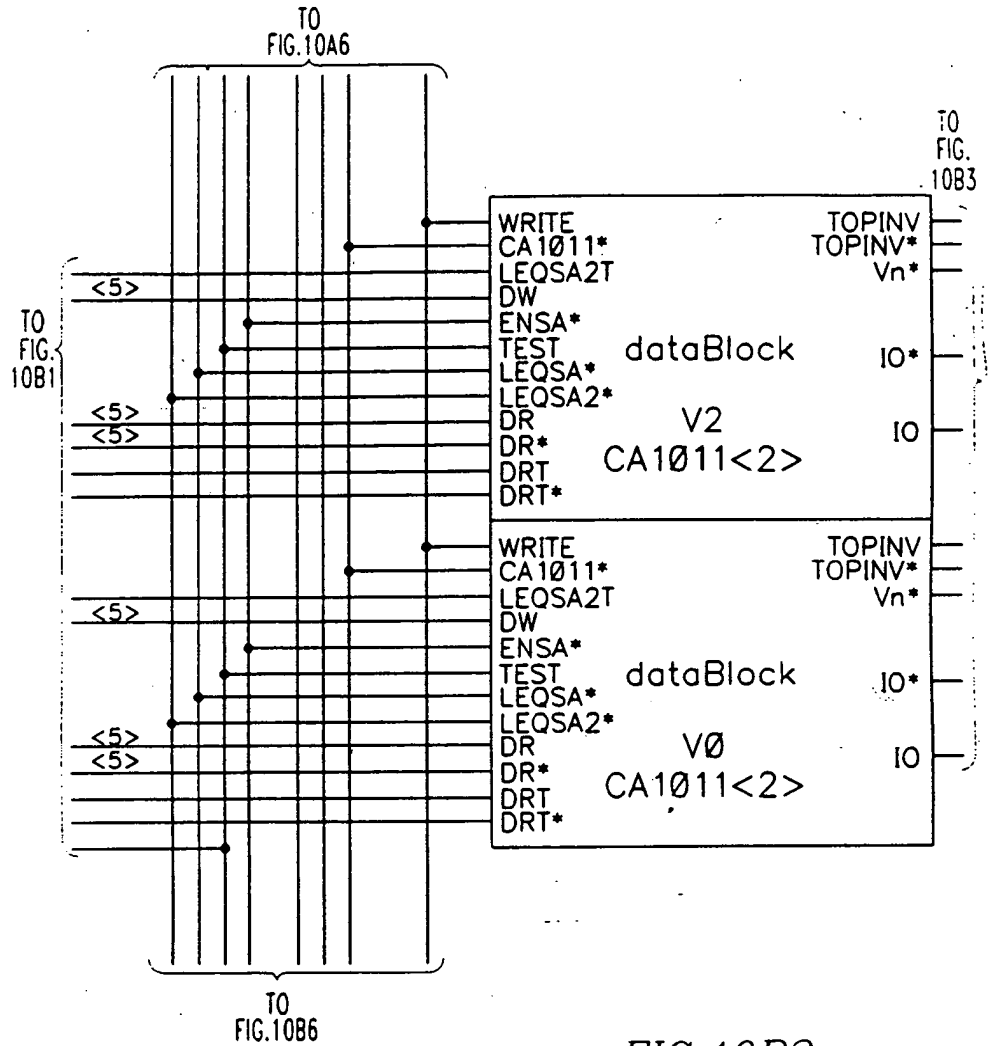


FIG. 10B2

09885217 062001

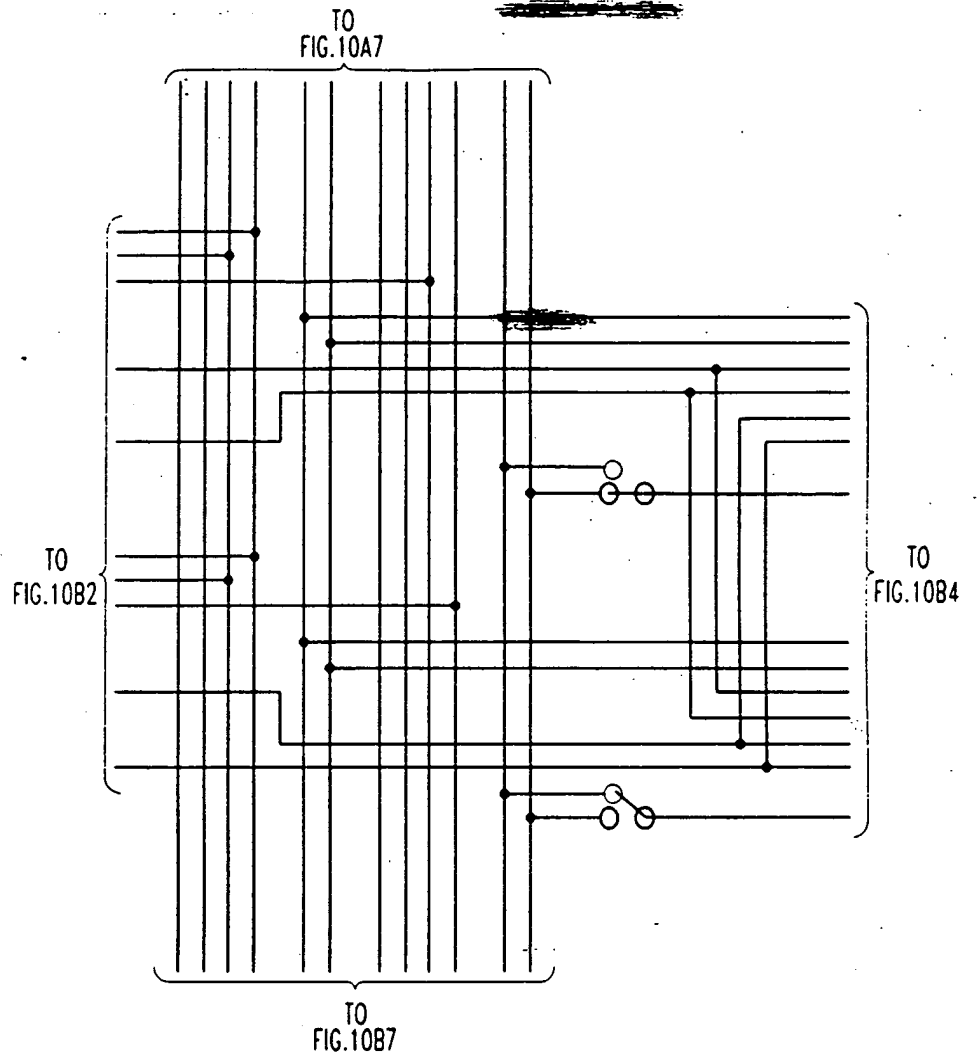


FIG. 10B3

09885217-062004

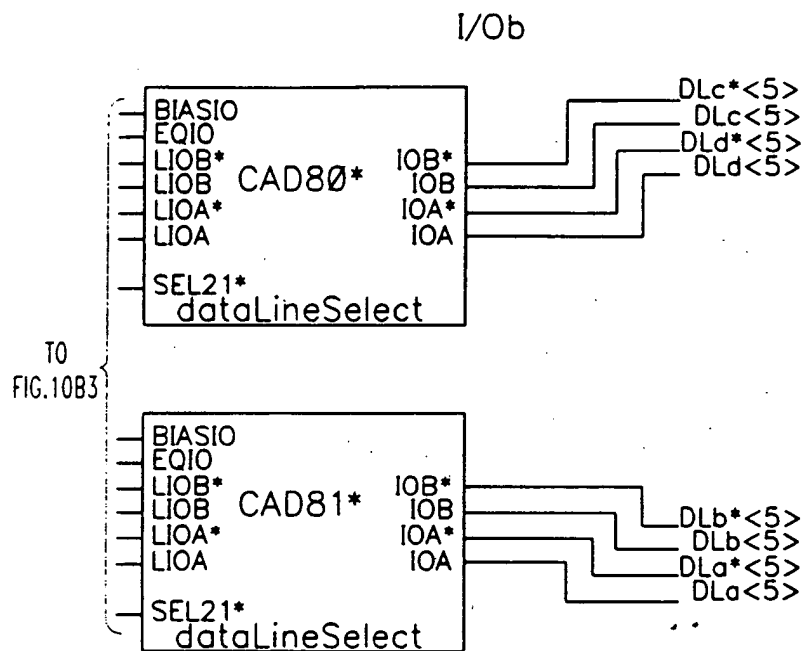


FIG.10B4



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FIG. 10B5

09885217-002001

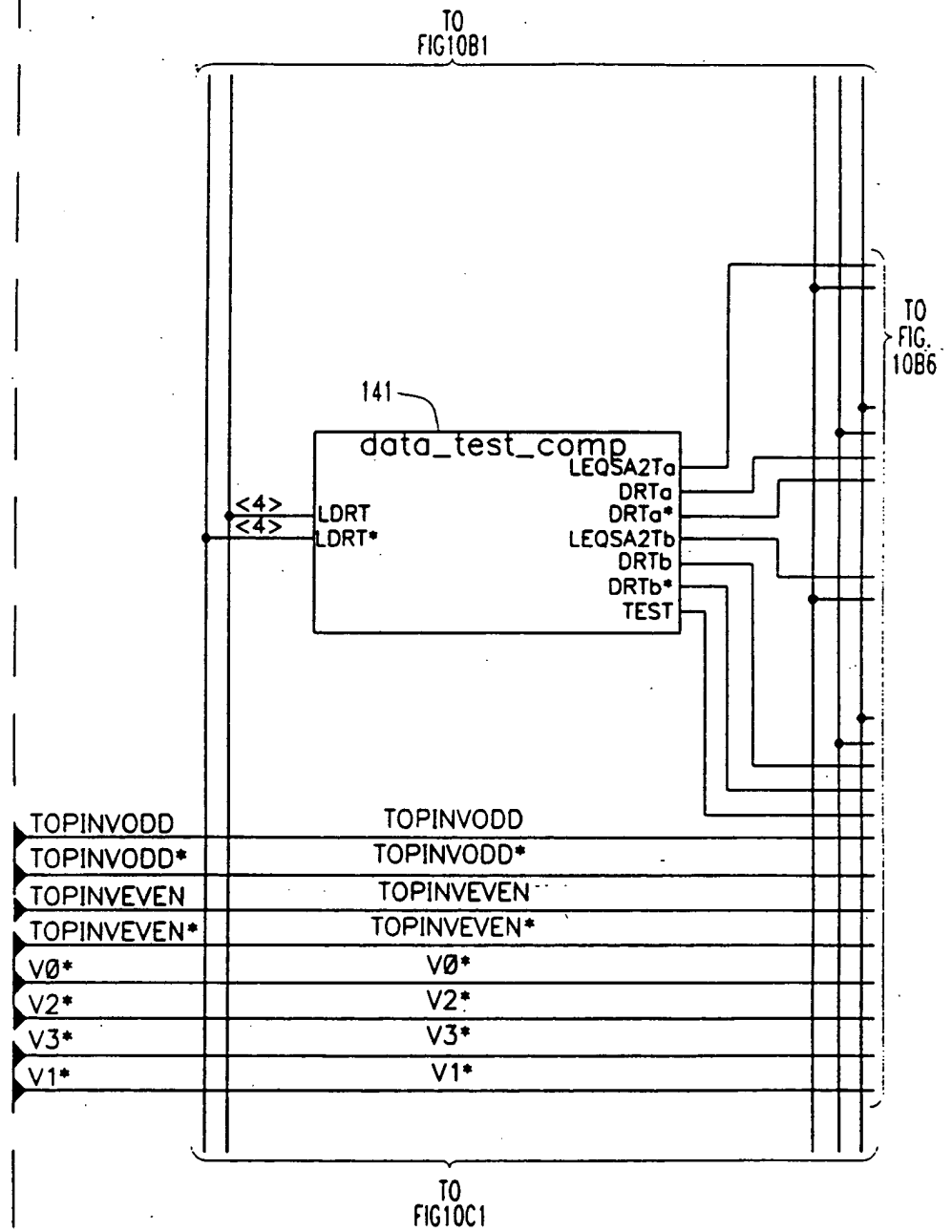


FIG. 10B6

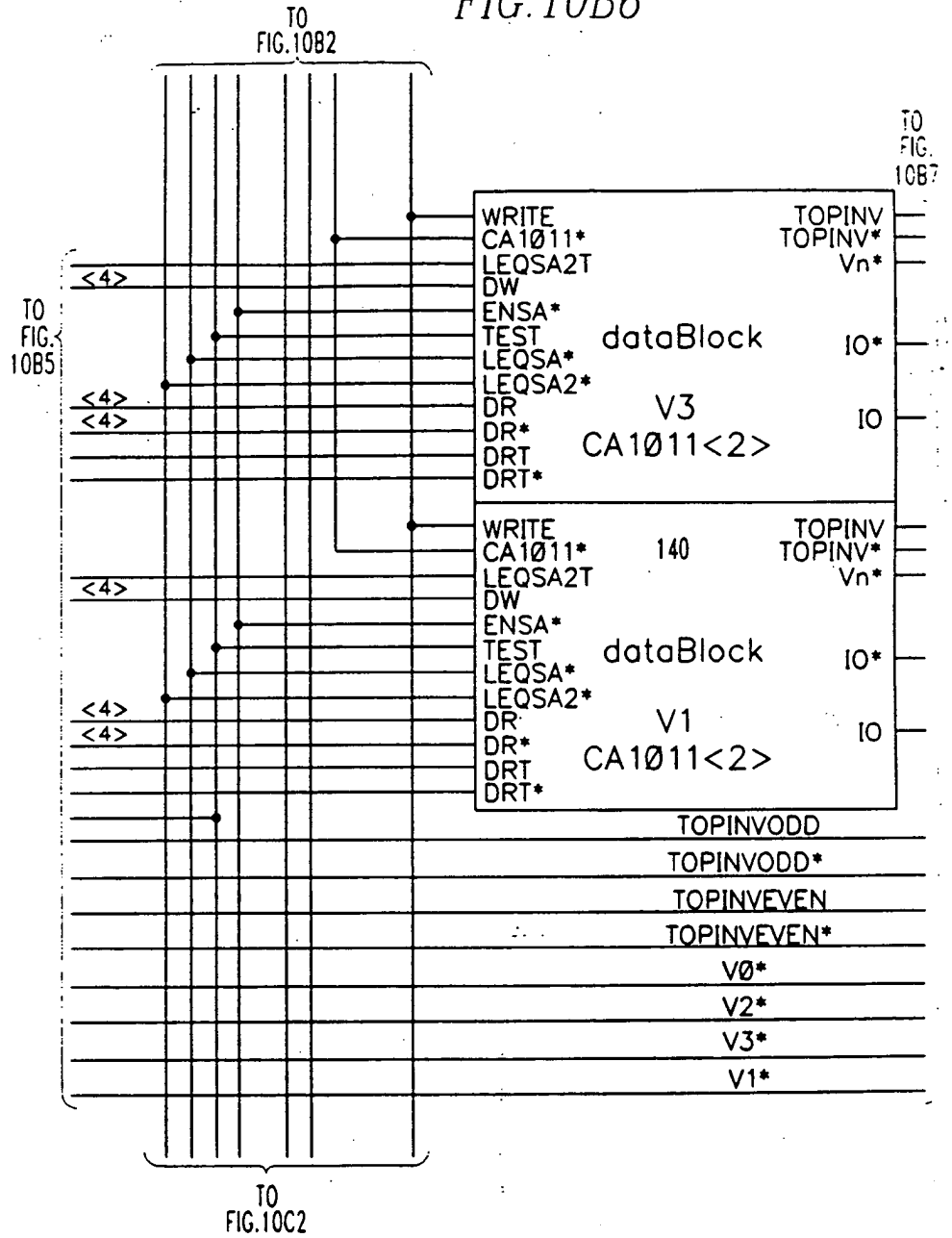
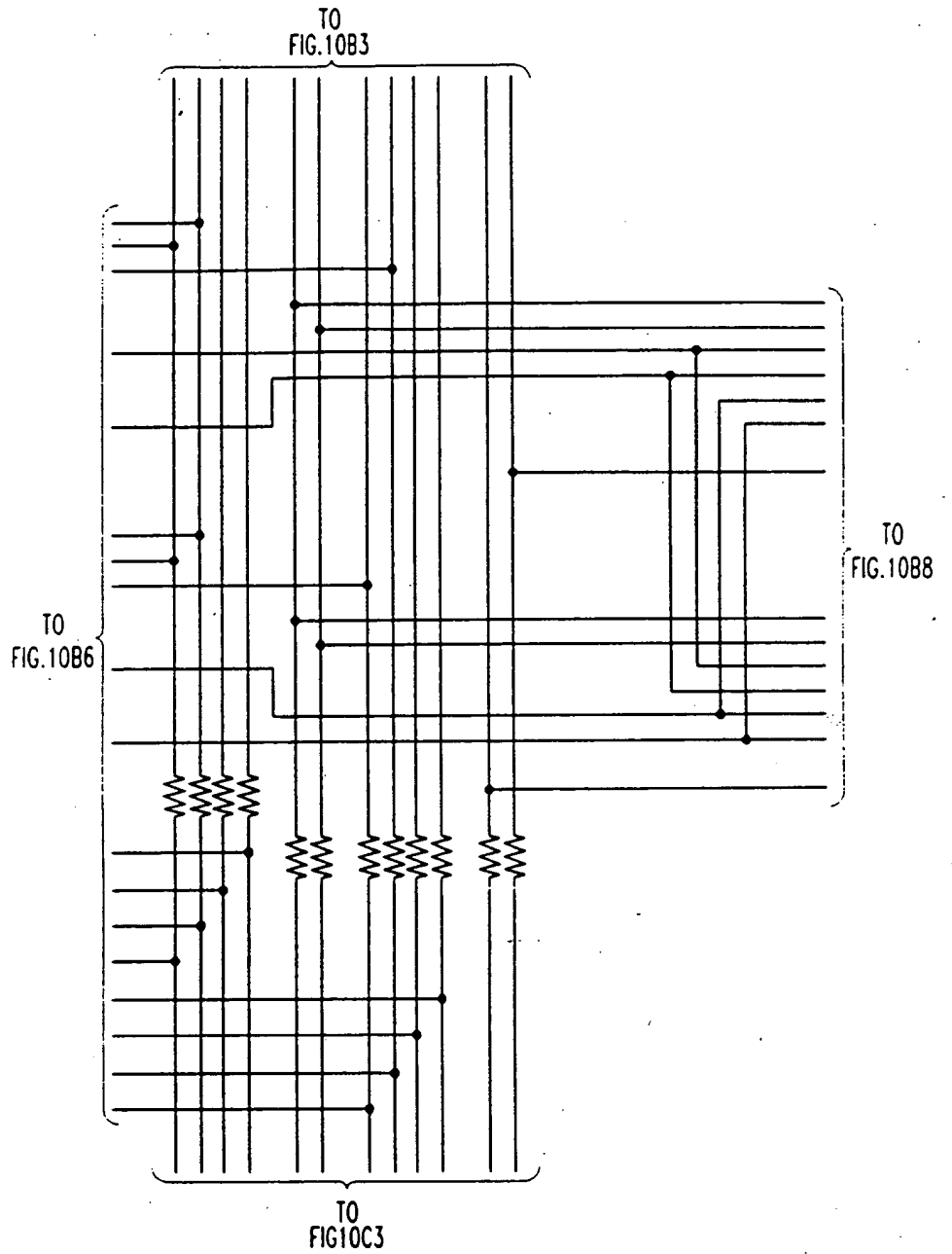
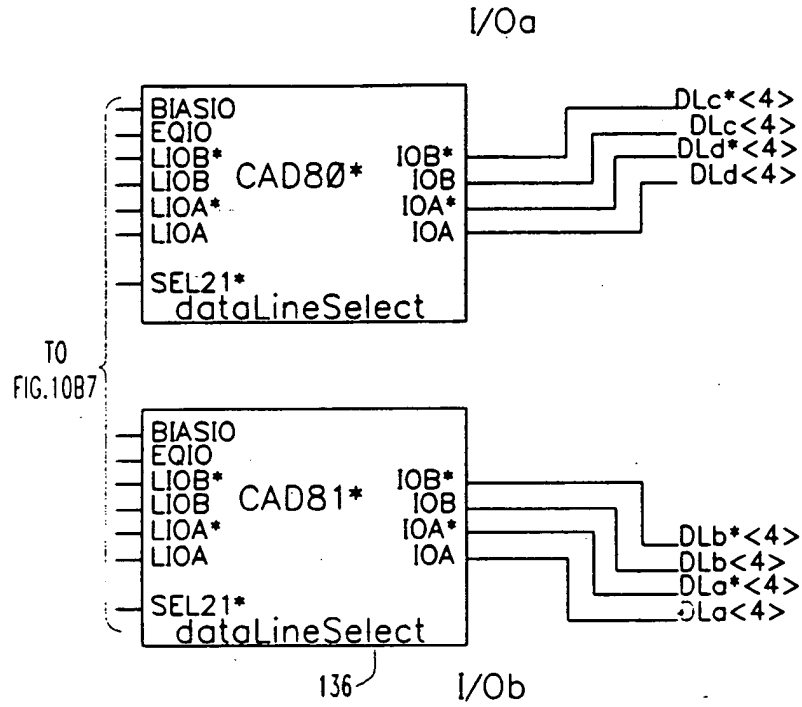


FIG. 10B7



09885217-062001

FIG. 10B8



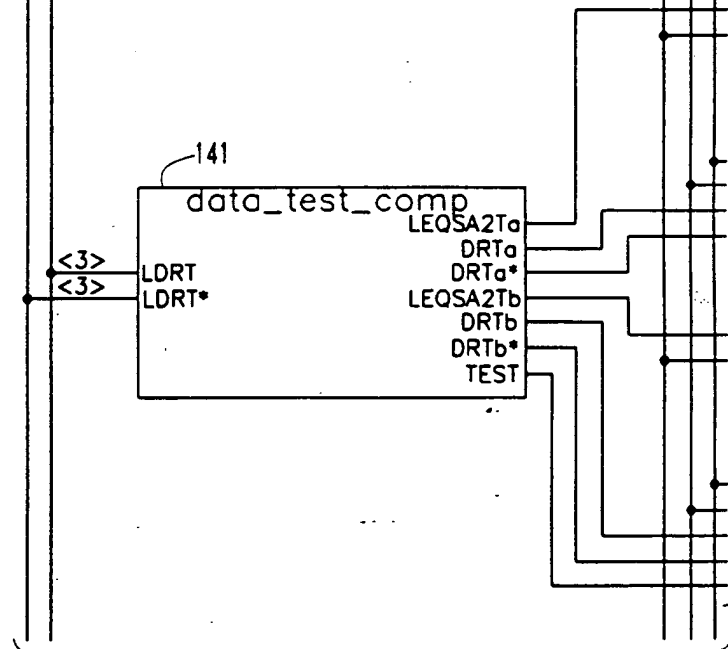
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TO  
FIG.10B5

ENSA*	ENSA*
EQIO	EQIO
BIASIO	BIASIO
EQSA*	EQSA*
EQSA2*	EQSA2*
CAD80*	CAD80*
CAD81*	CAD81*
WE	WE
TEST	TEST

TO  
FIG.  
10C2

0985217 1062001  
1002901 1025860



TO  
FIG.10C5

FIG.10C1

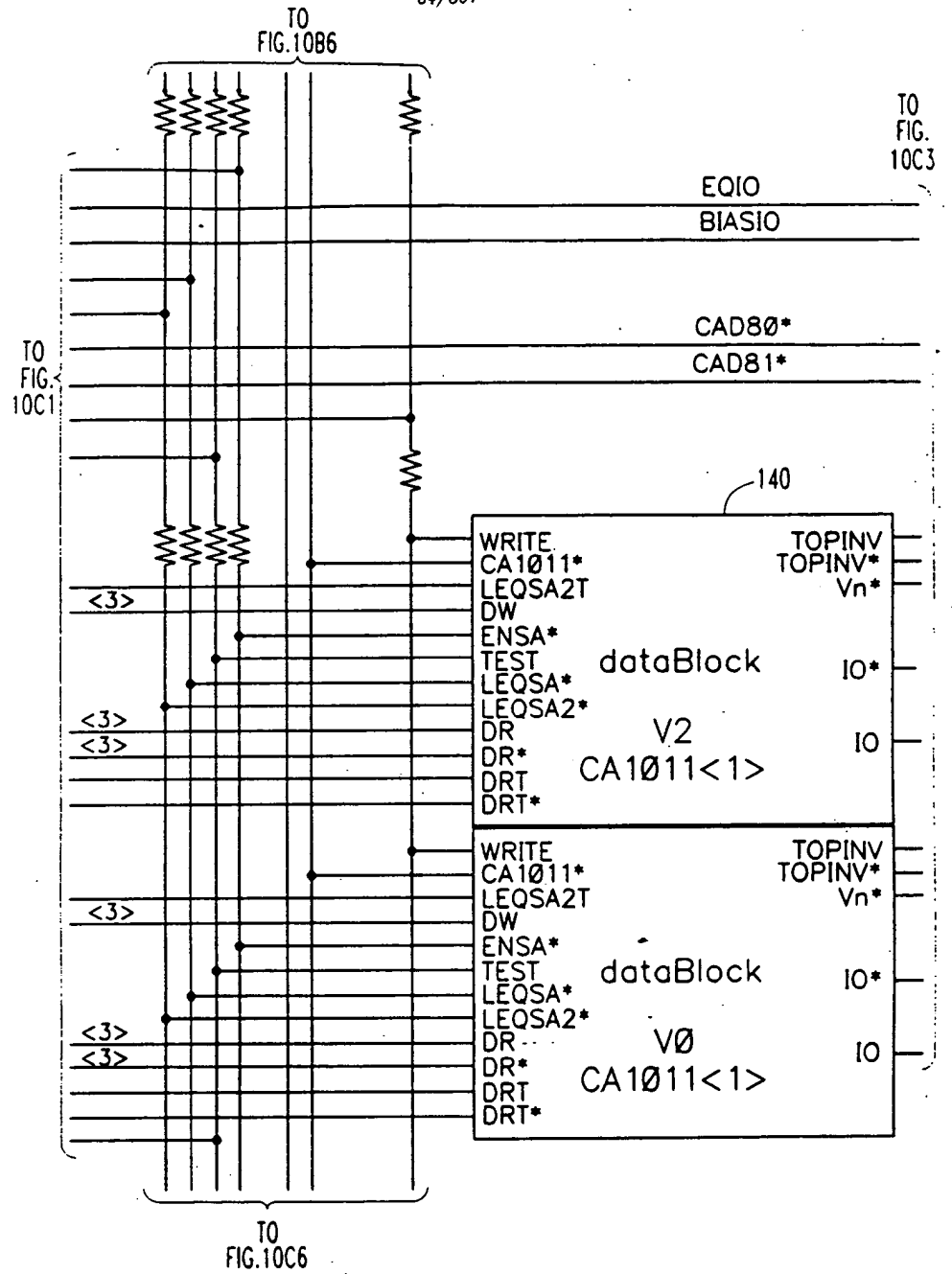


FIG. 10C2

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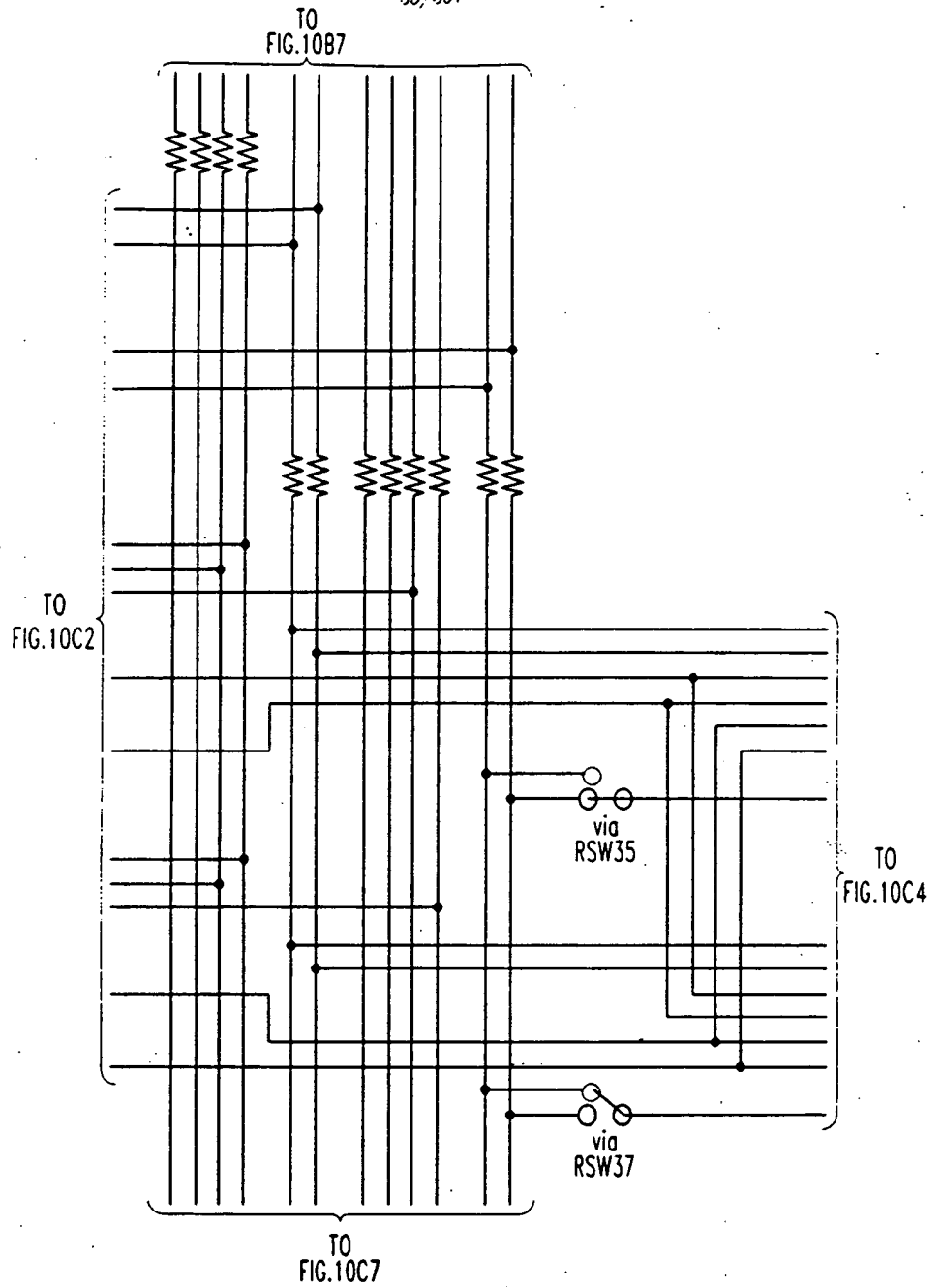
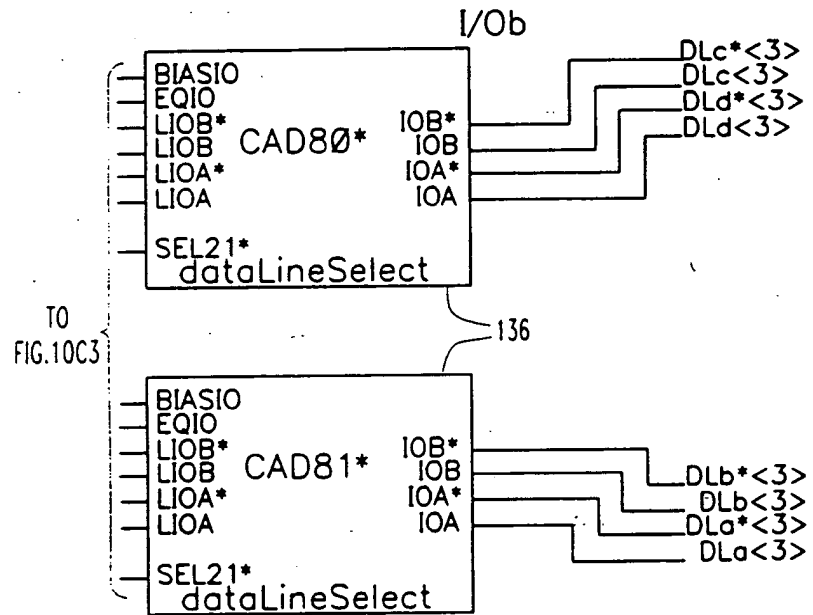


FIG. 10C3

09855217-962001

FIG. 10C4





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100290-7258860

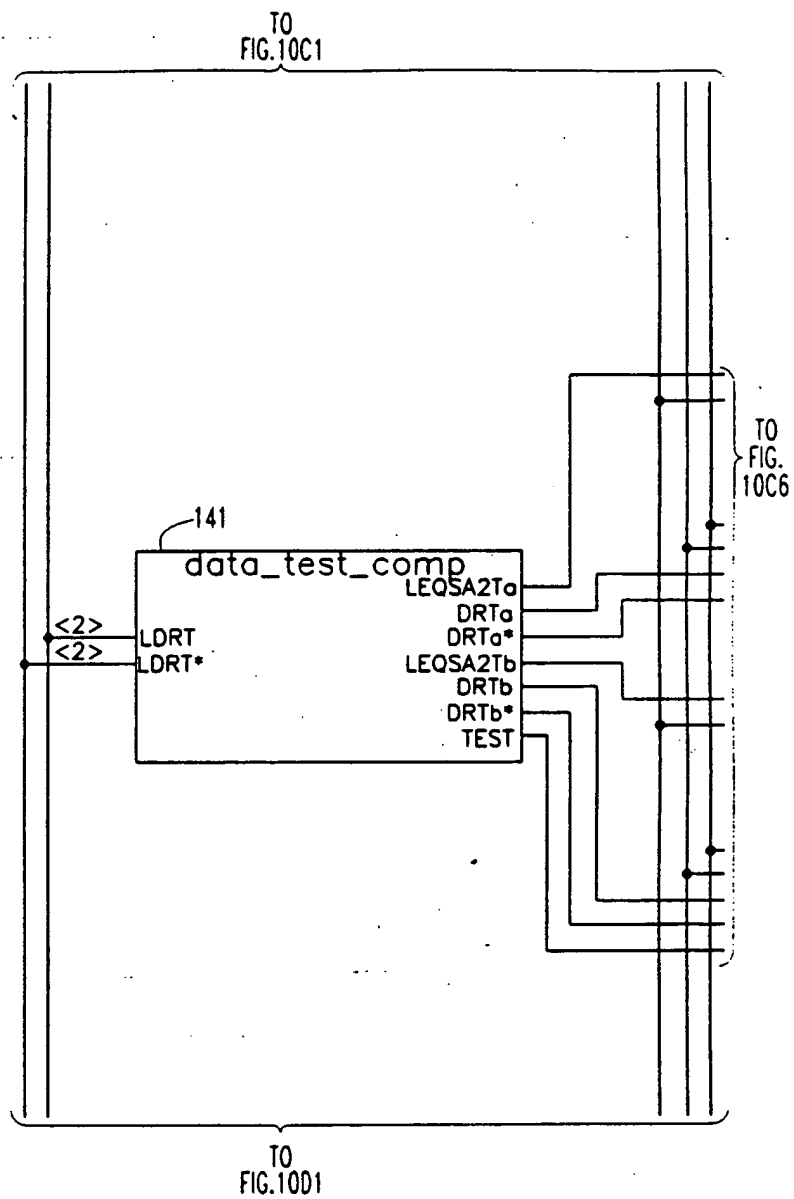


FIG. 10C5

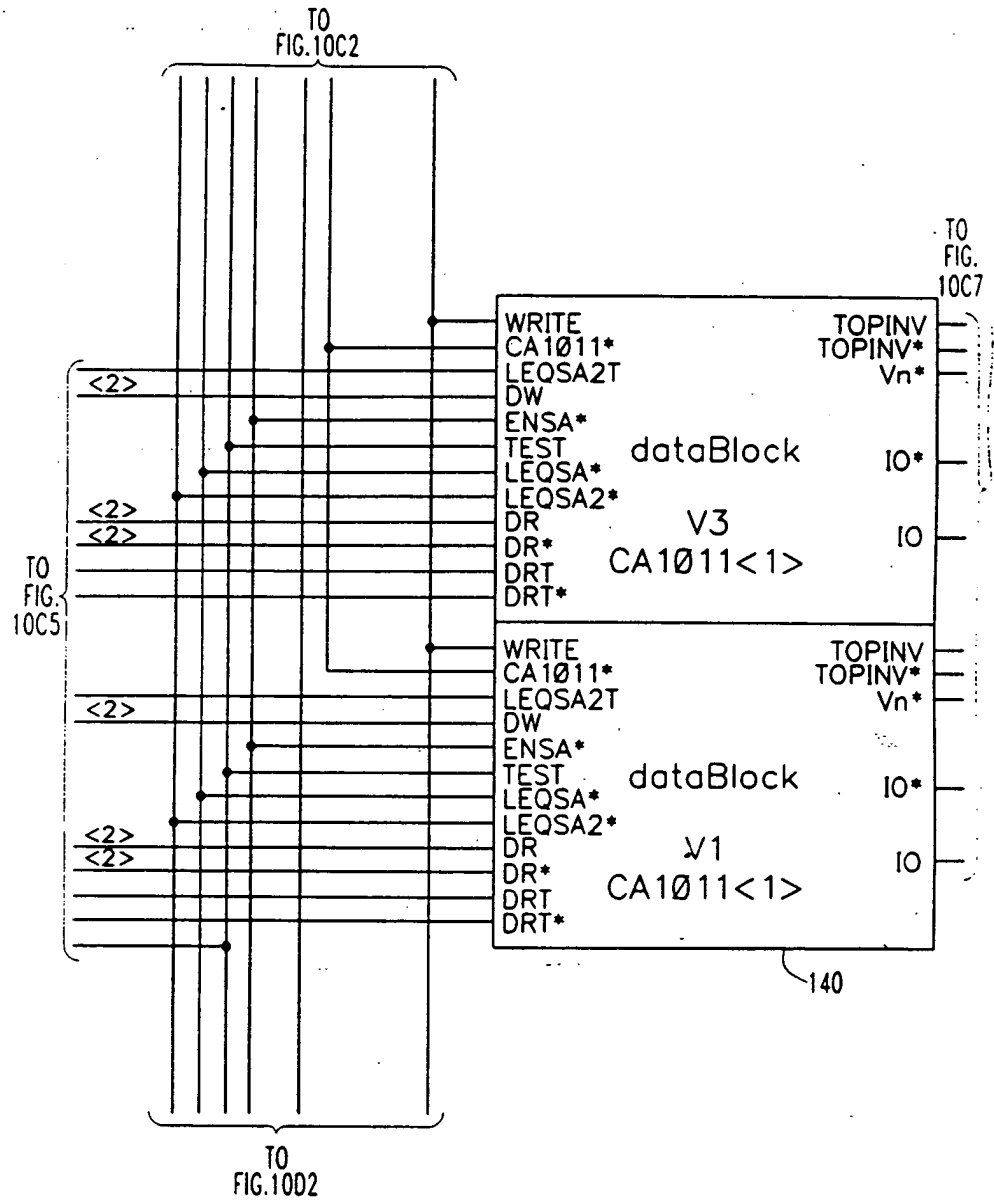


FIG. 10C6

100290-1258860

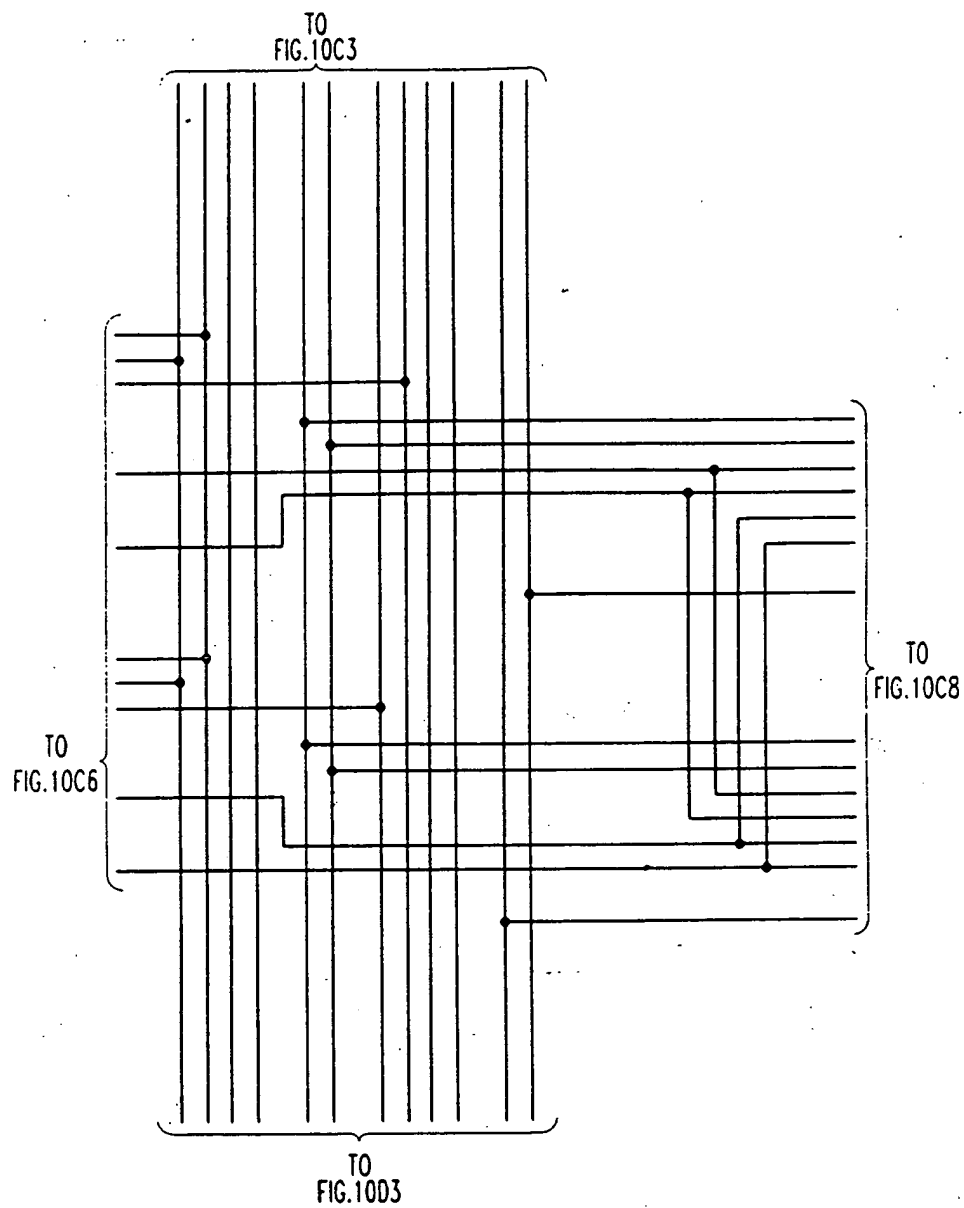


FIG. 10C7

0985217-05200  
100290-7125860

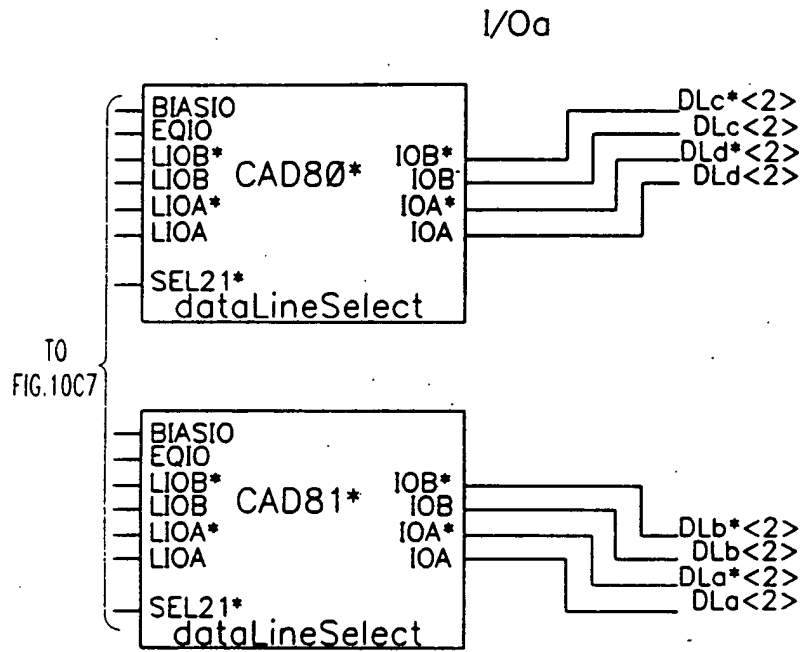


FIG.10C8

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0985547-95004  
100296-7258860

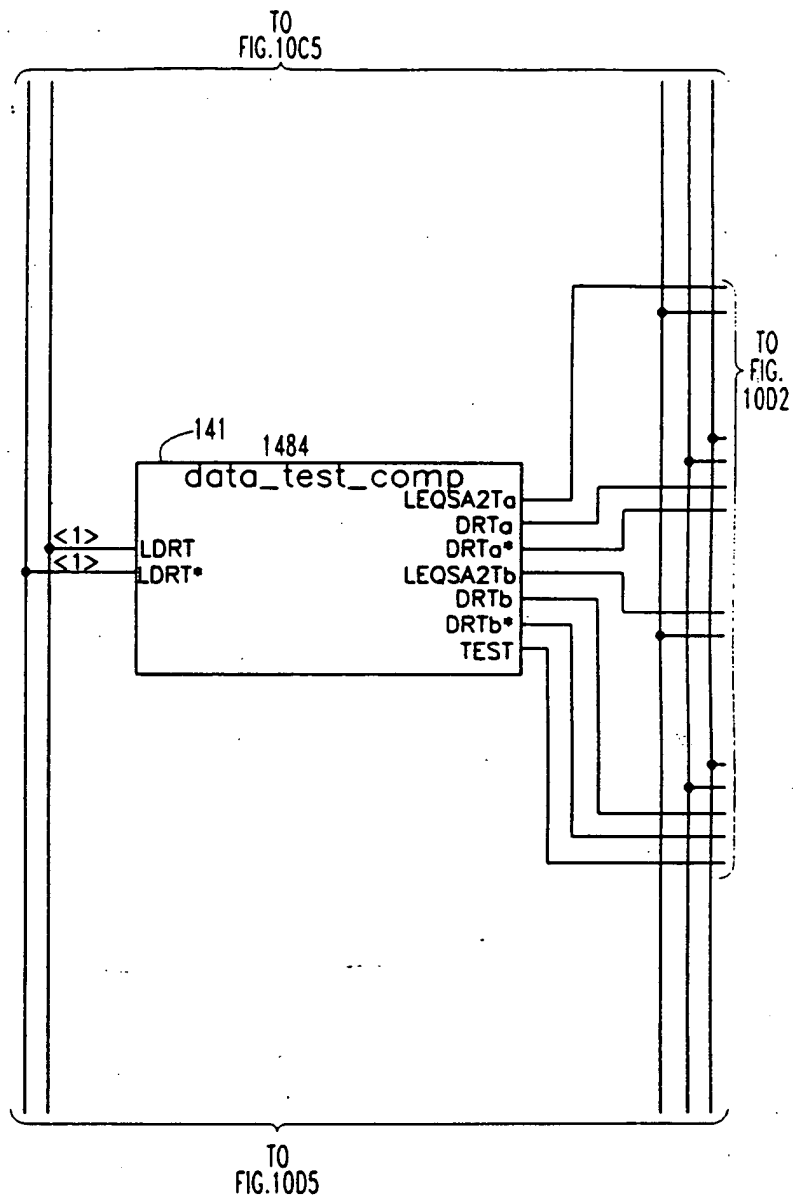


FIG. 10D1

0085217-052001

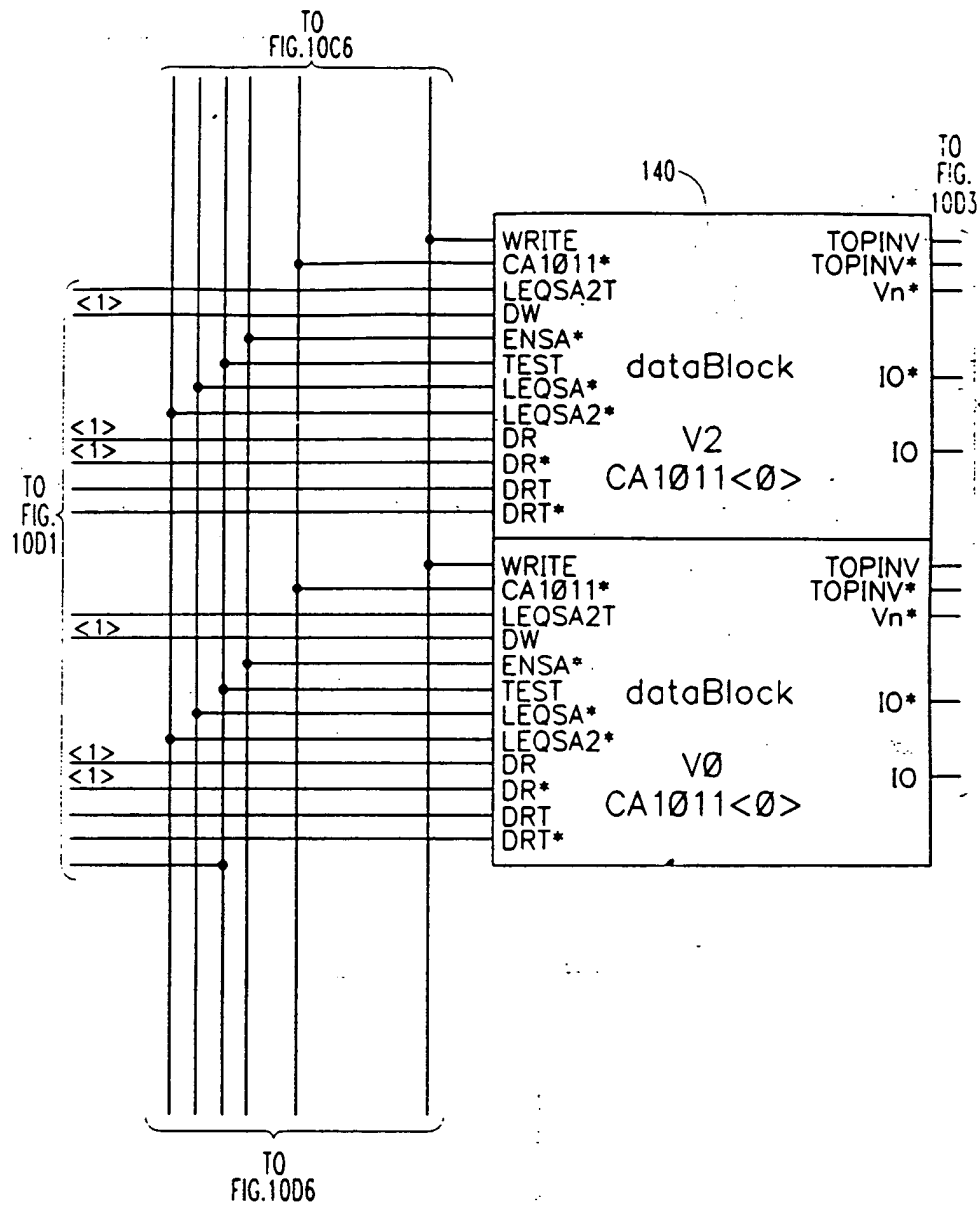


FIG. 10D2

09885217-062001  
100290-7258860

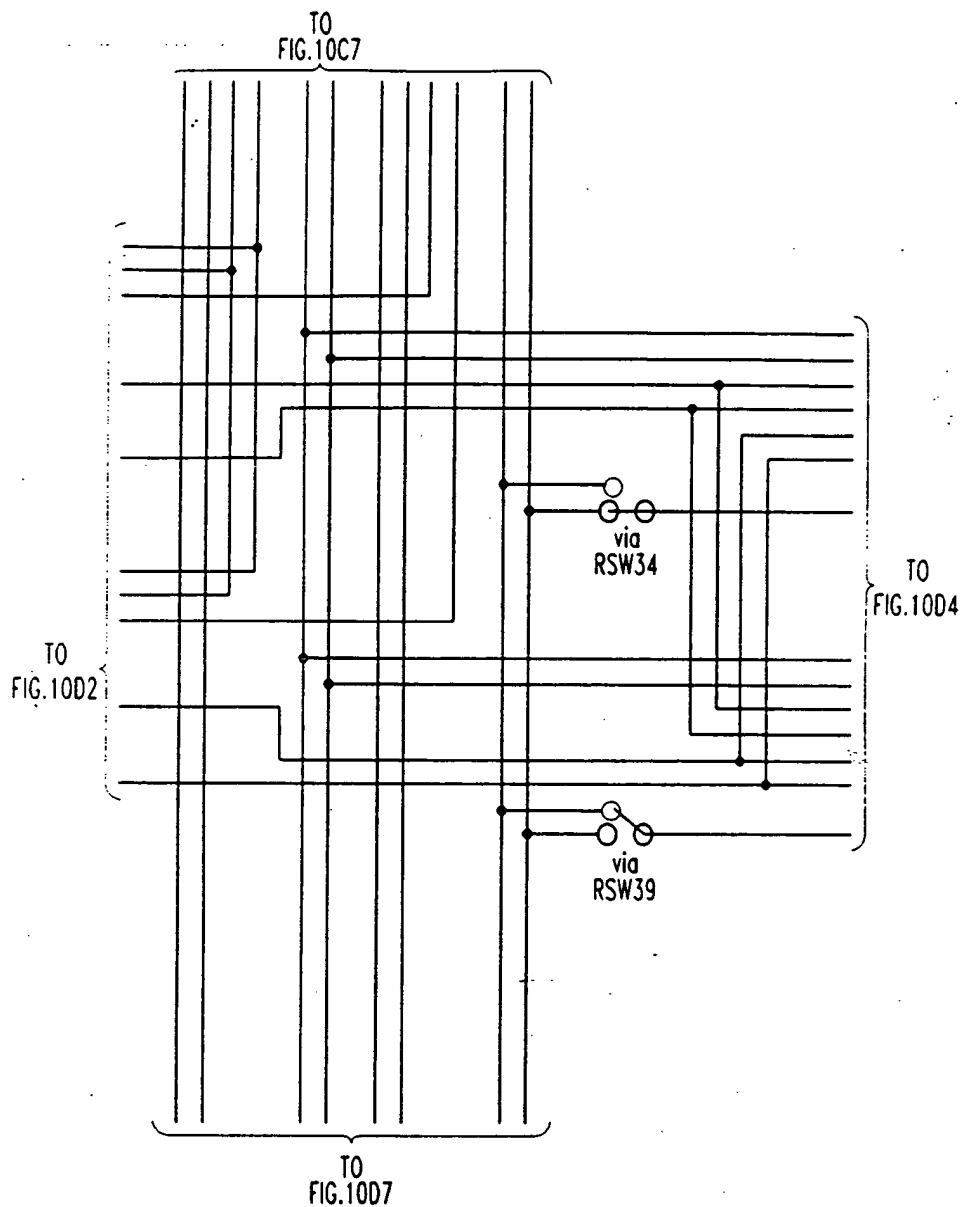


FIG. 10D3

00290-71258860

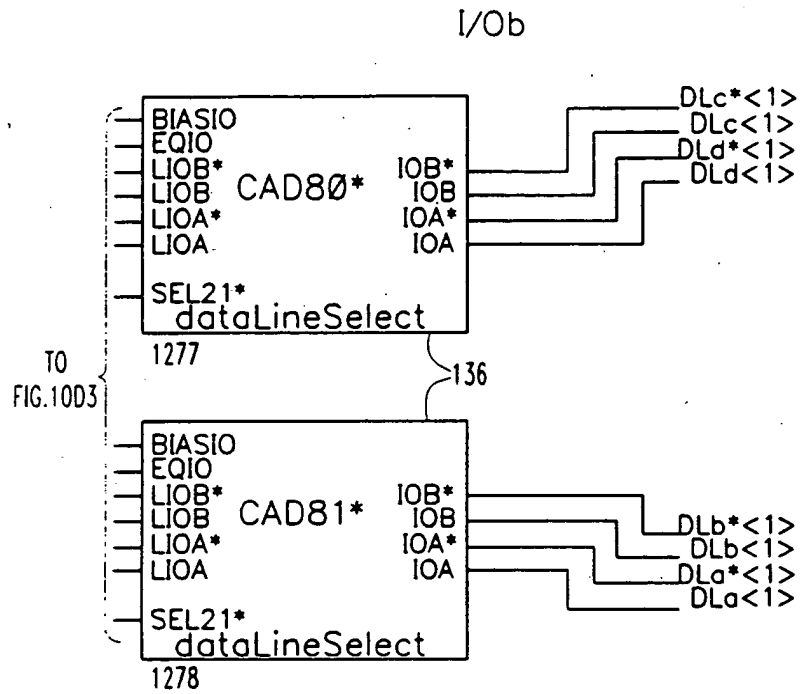


FIG.10D4



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0985217-062001

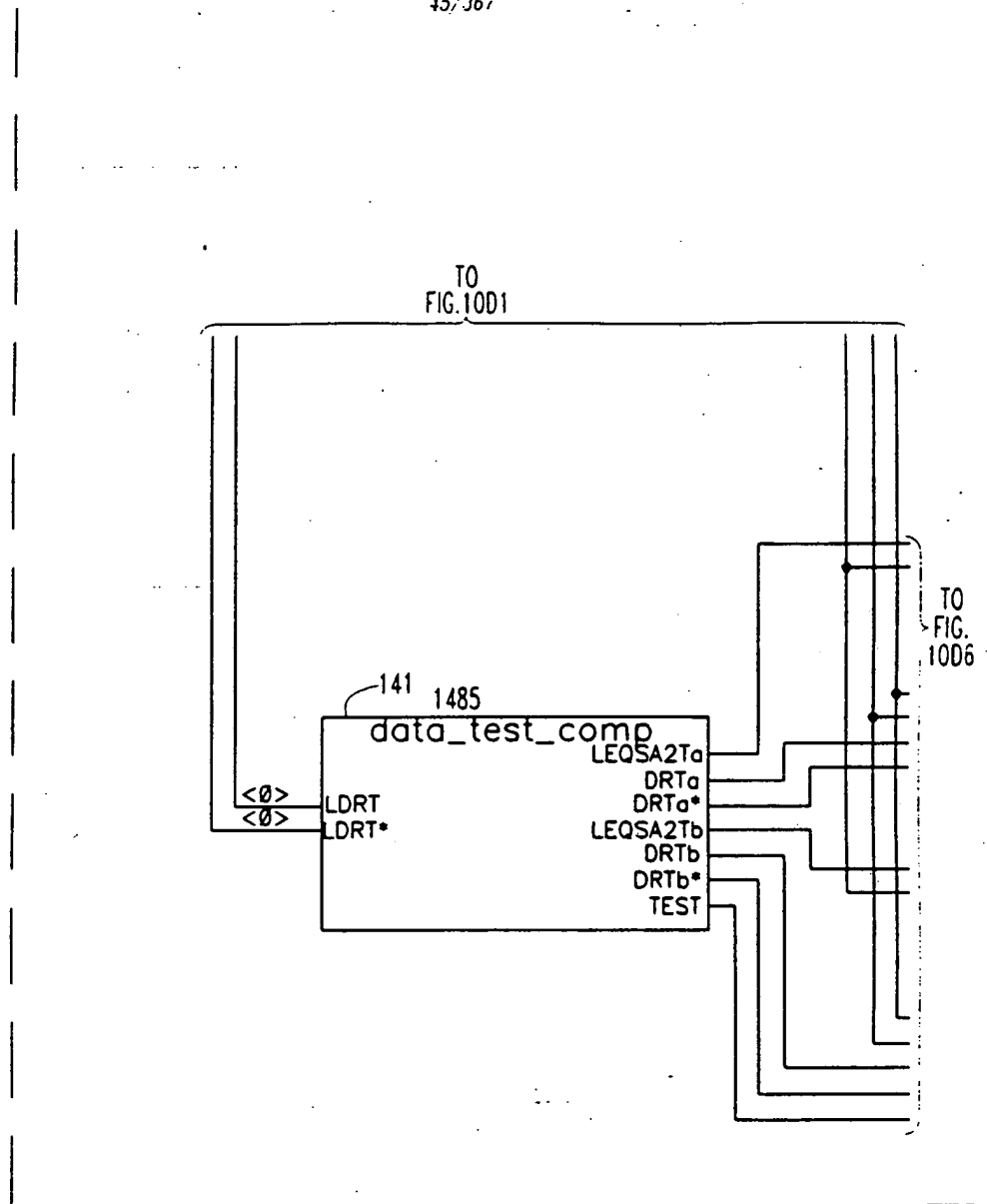


FIG. 10D5

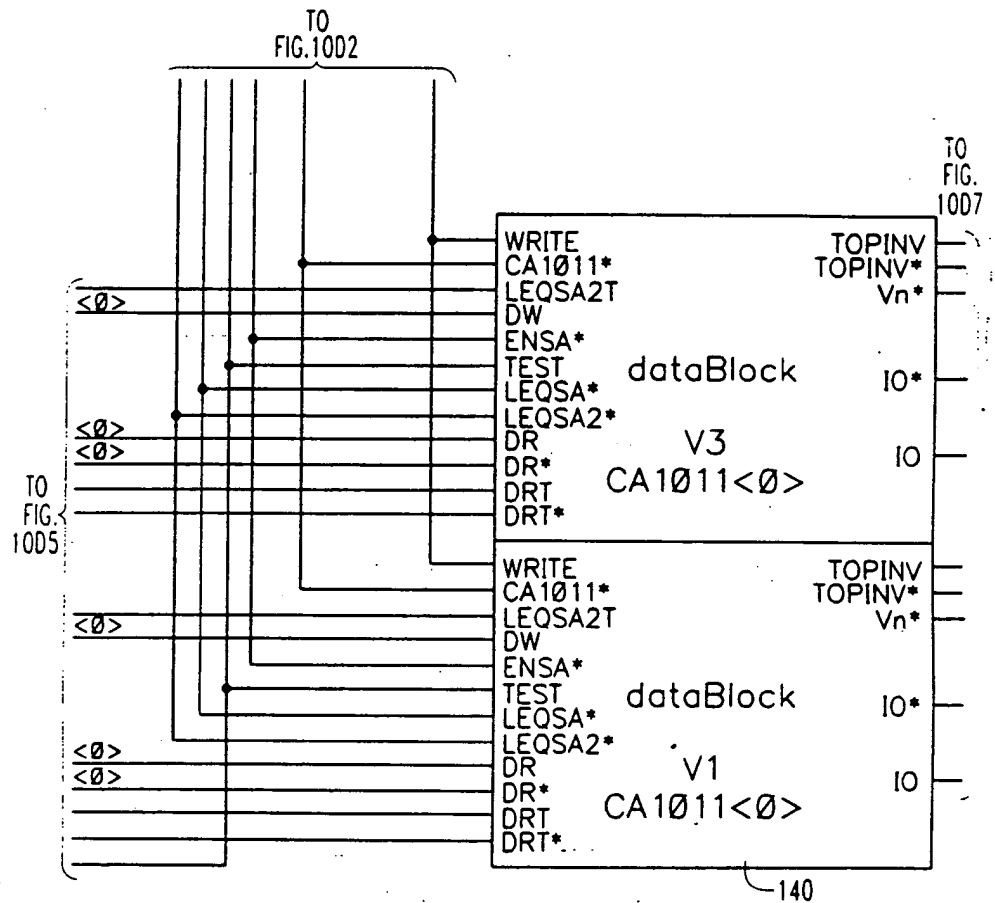


FIG. 10D6

100250-71258860

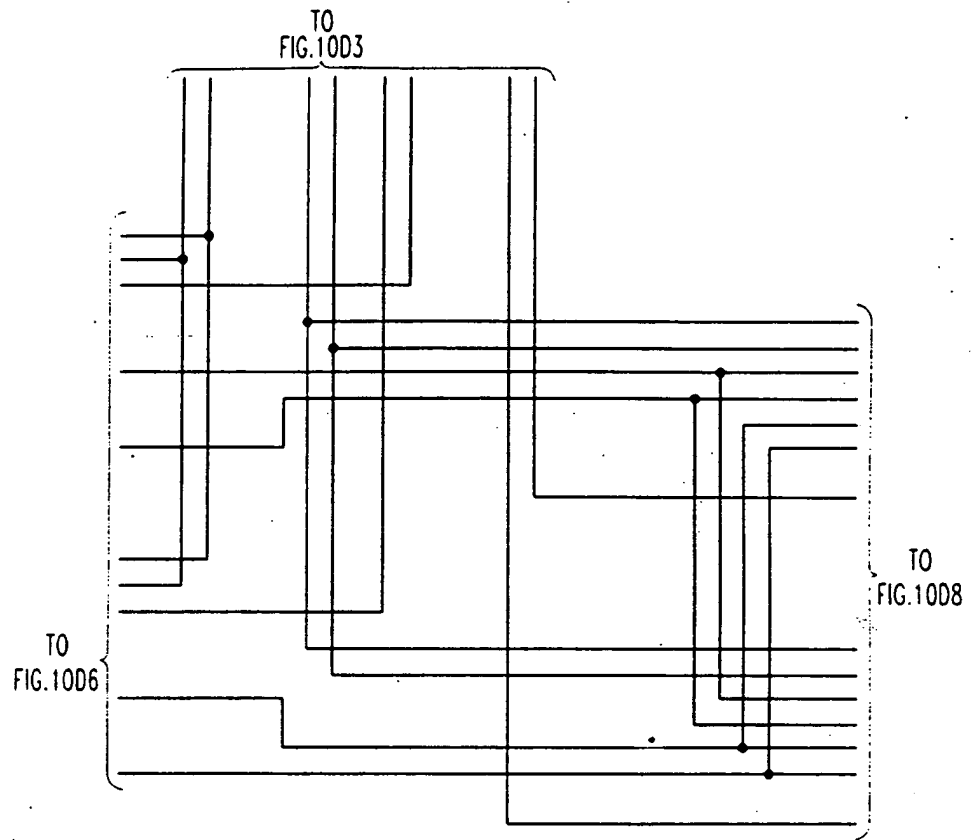


FIG. 10D7

00885217-062001

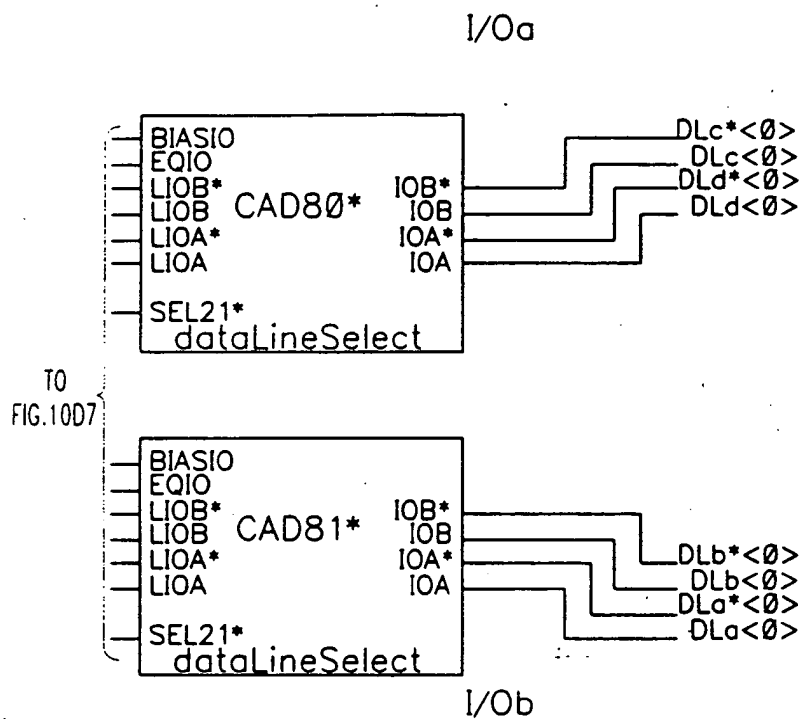
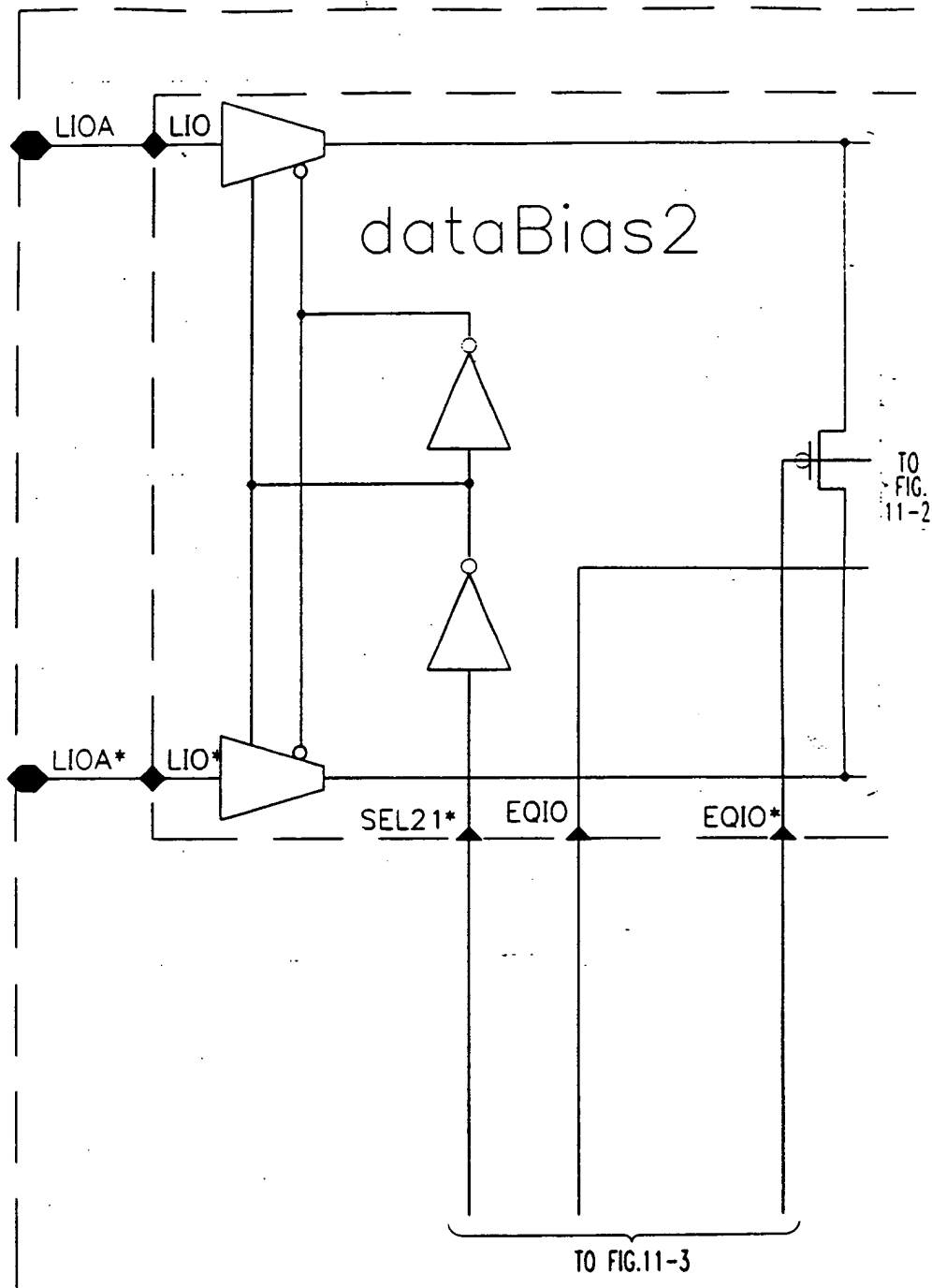


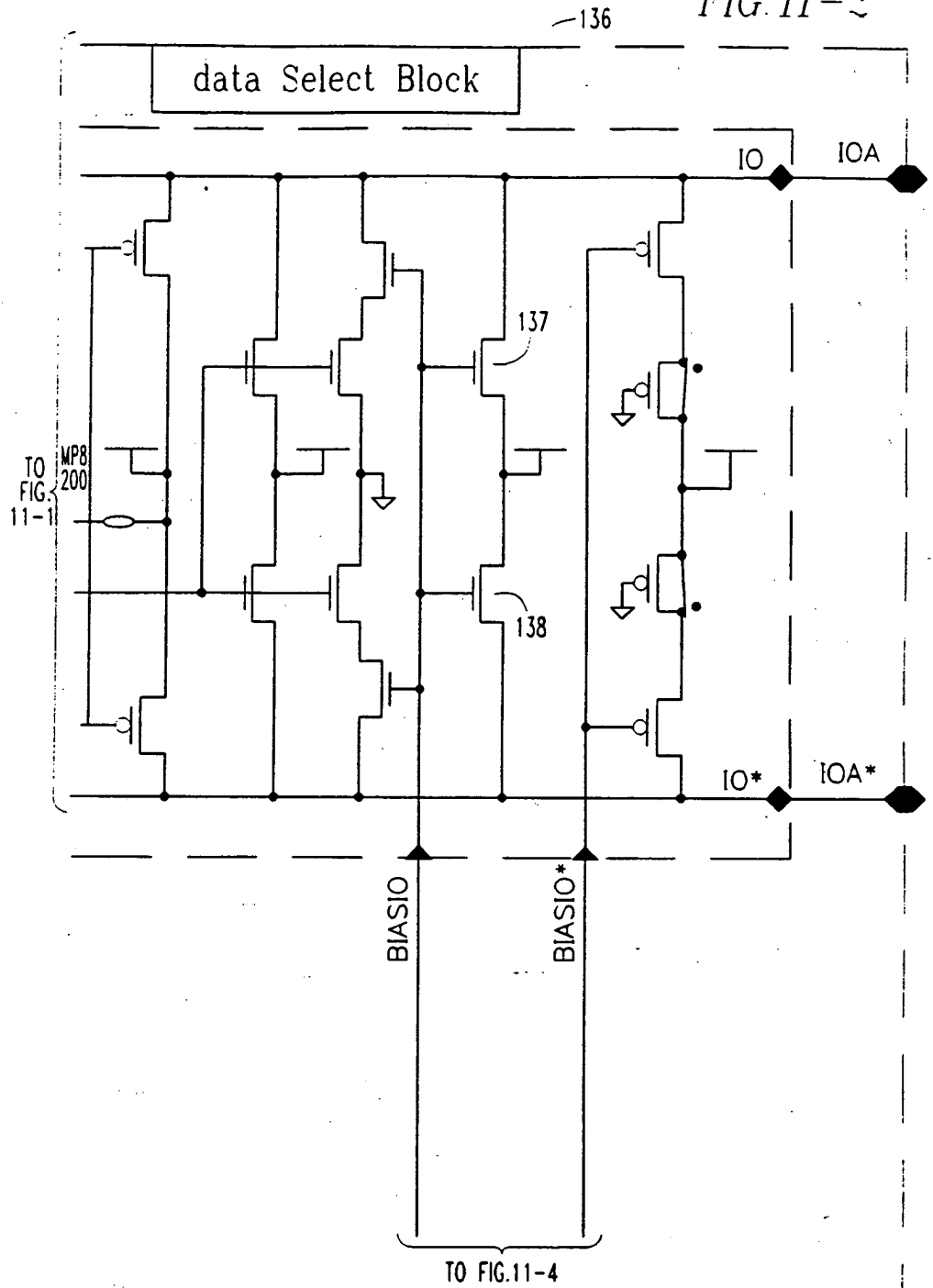
FIG.10D8

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50.367

FIG. 11-2



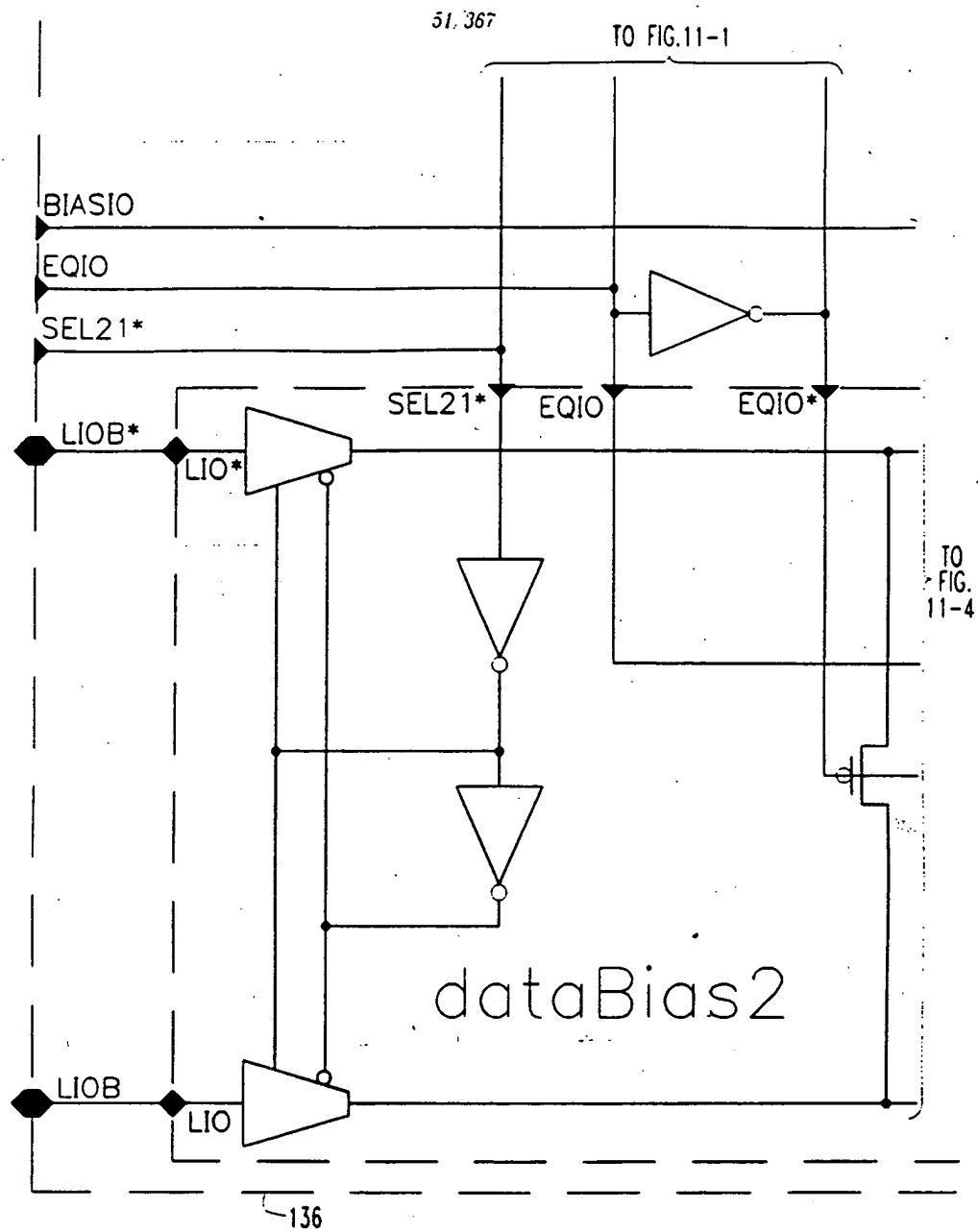
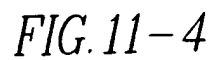


FIG. 11-3





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FOO250-7258860

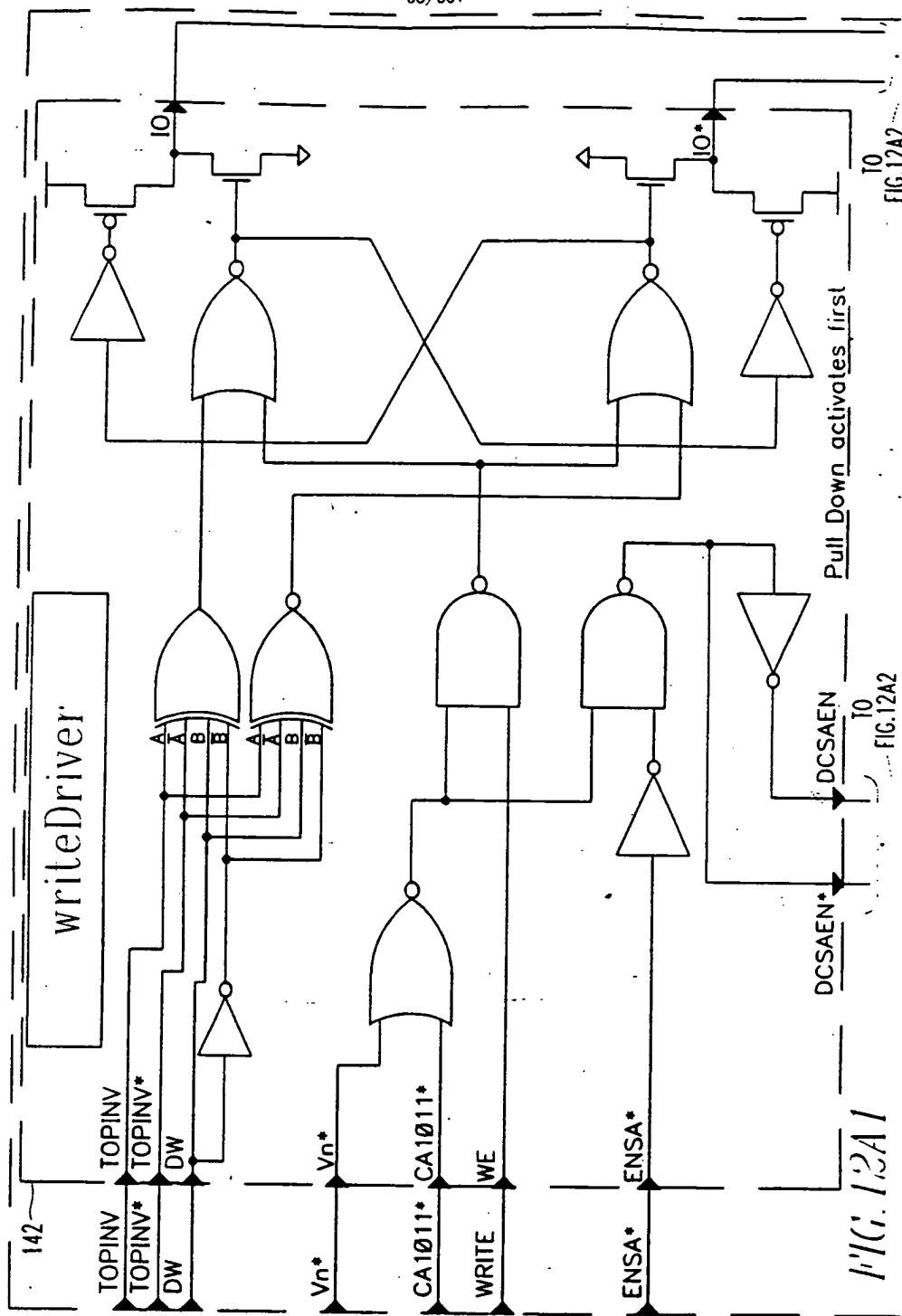


FIG. 12A1

FIG. 12A2

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TO  
FIG. 12A1

TO  
FIG. 12A1

LEQSA2\*

GND2

G110

CM

148

ENSA\*

DCSA Current Mirror

TO  
FIG. 12B1

FIG. 12A2

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

FIG. 12A1

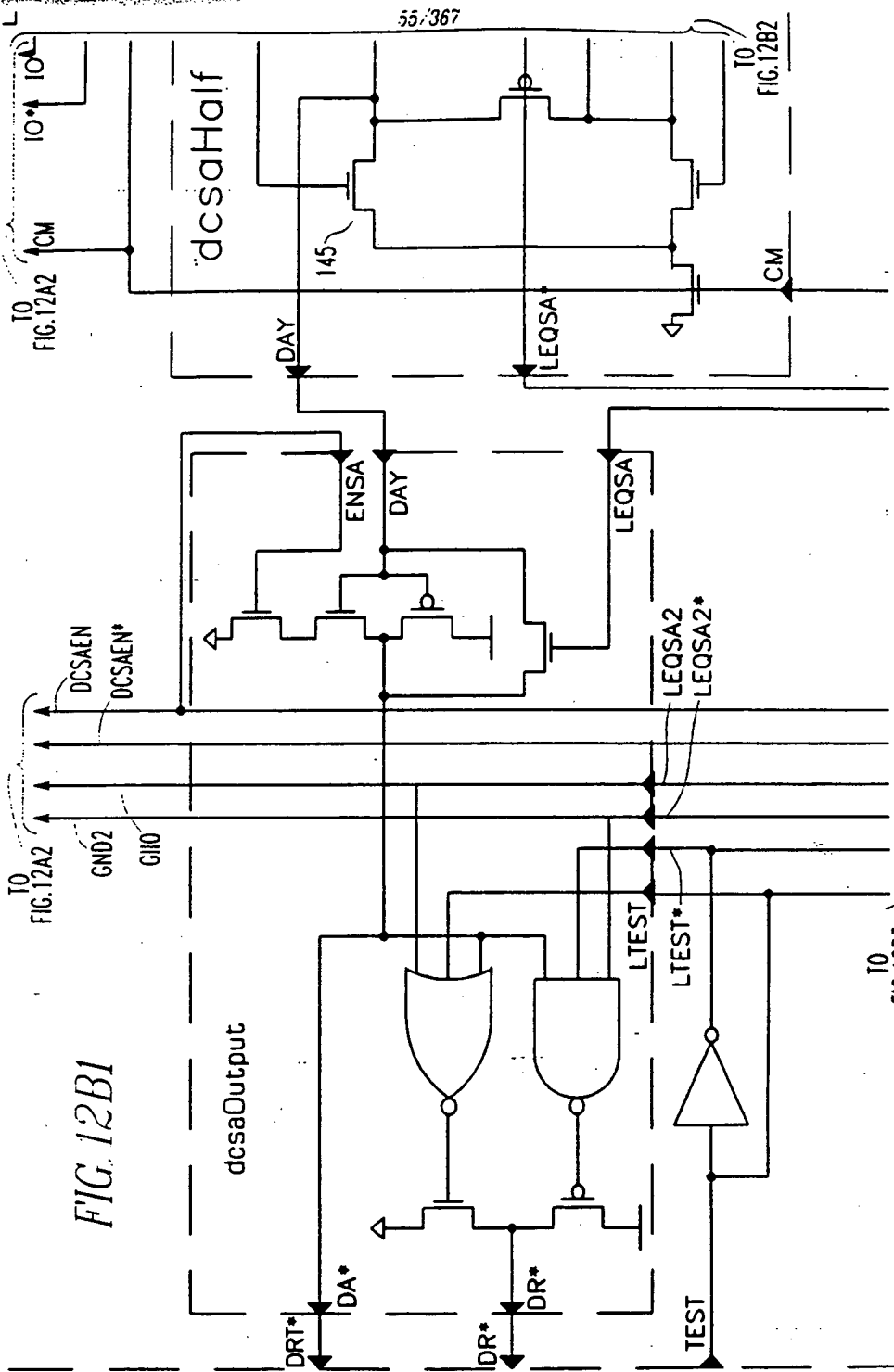
FIG. 12A1

FIG. 12A1

FIG. 12A1

1. *Chlorophyll a* (Chl a) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum. Chl a is essential for the light-dependent reactions of photosynthesis, where it converts light energy into chemical energy in the form of ATP and NADPH.

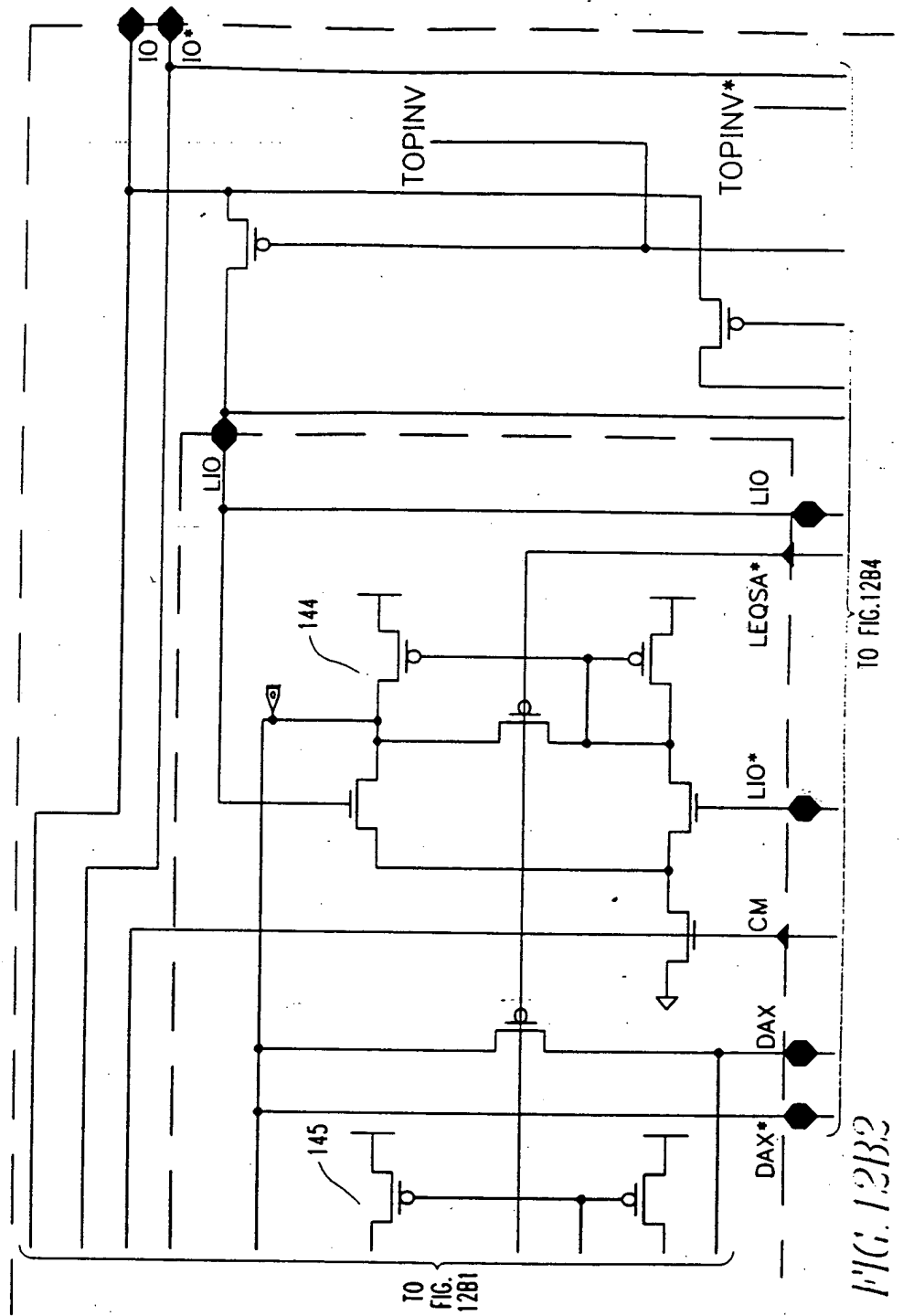
FIG. 12B1



三六

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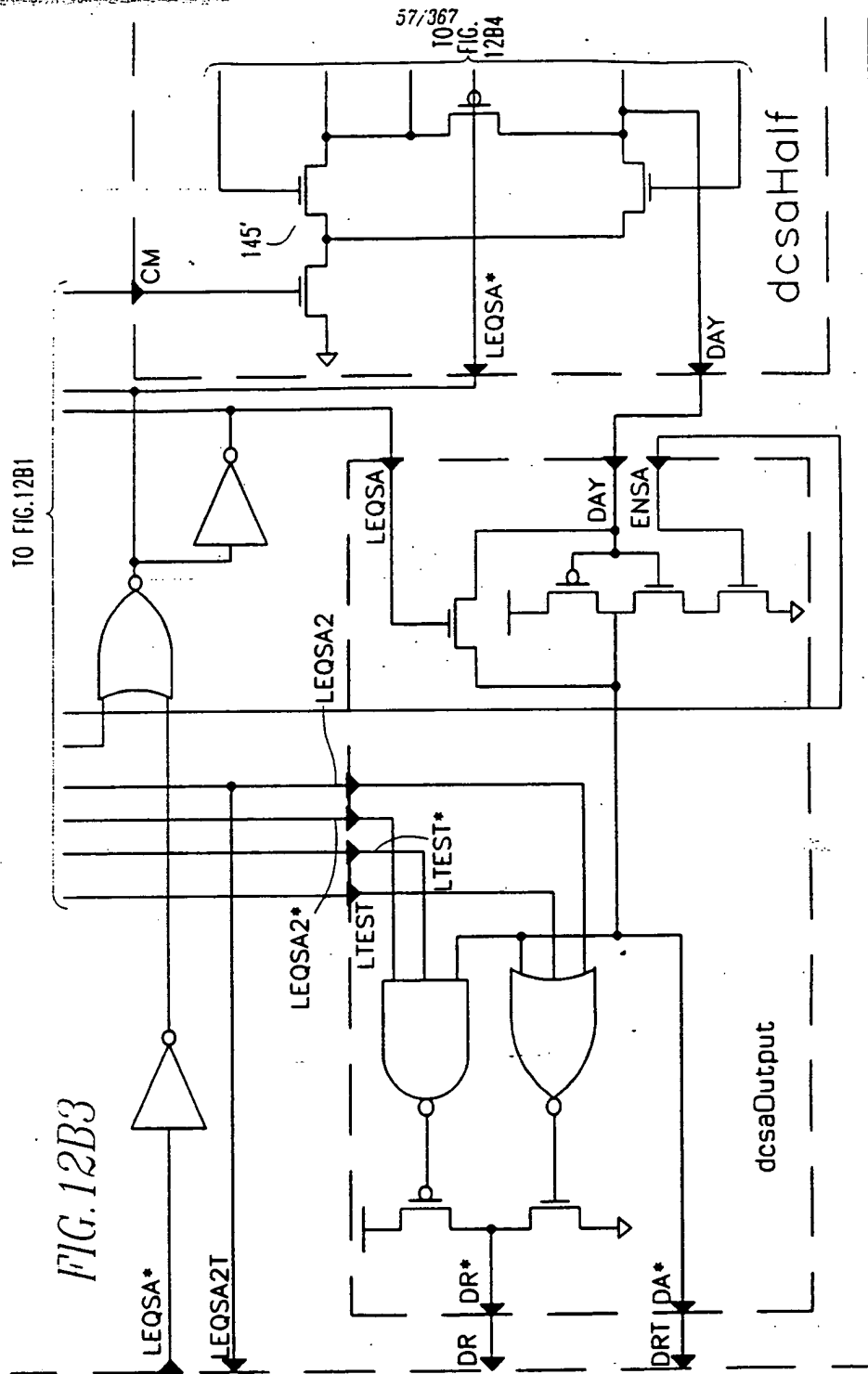
000290-71258860



TO FIG. 12B4

FIG. 12B2

100290-71258860

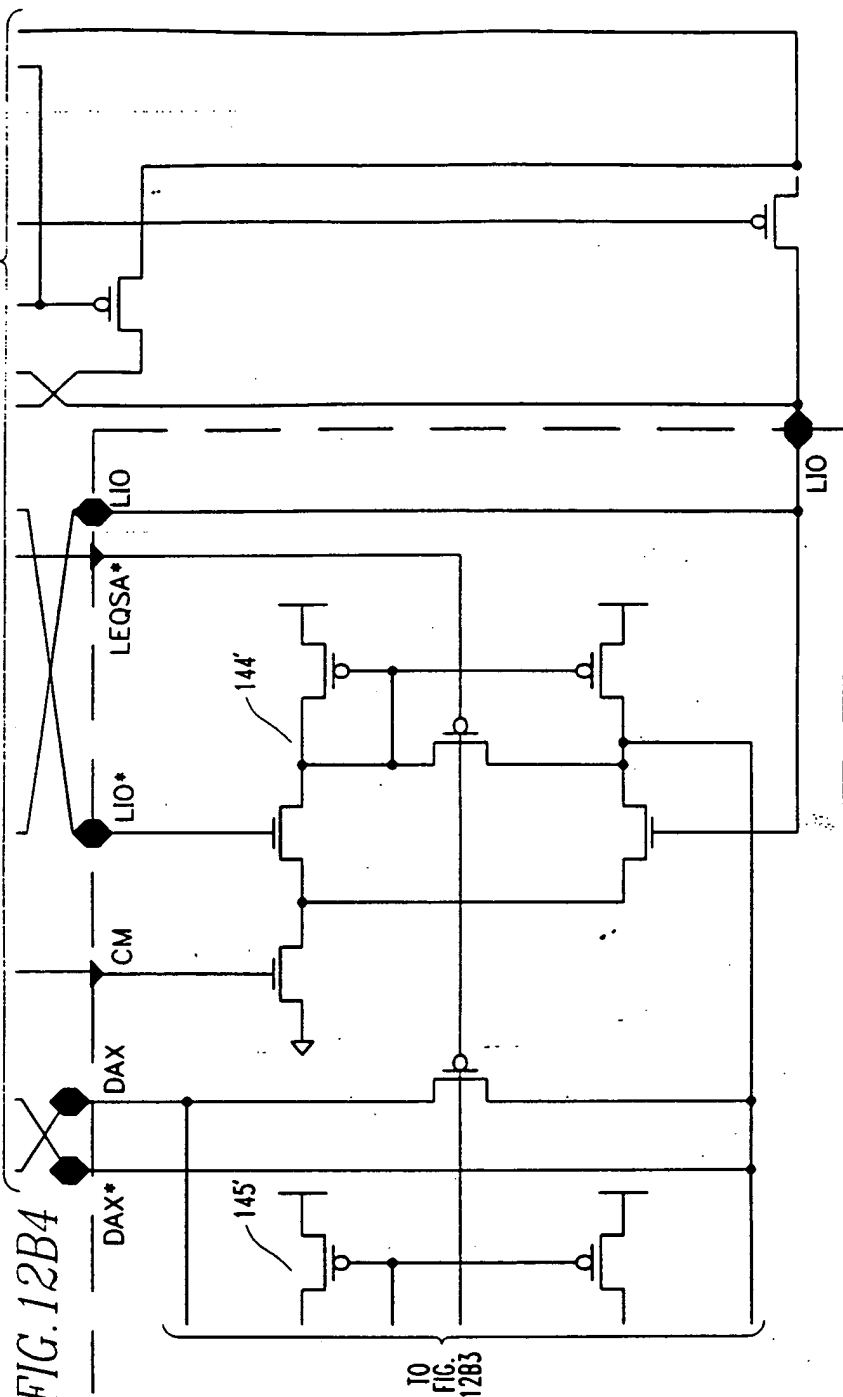


58,367

100290\* 21258860

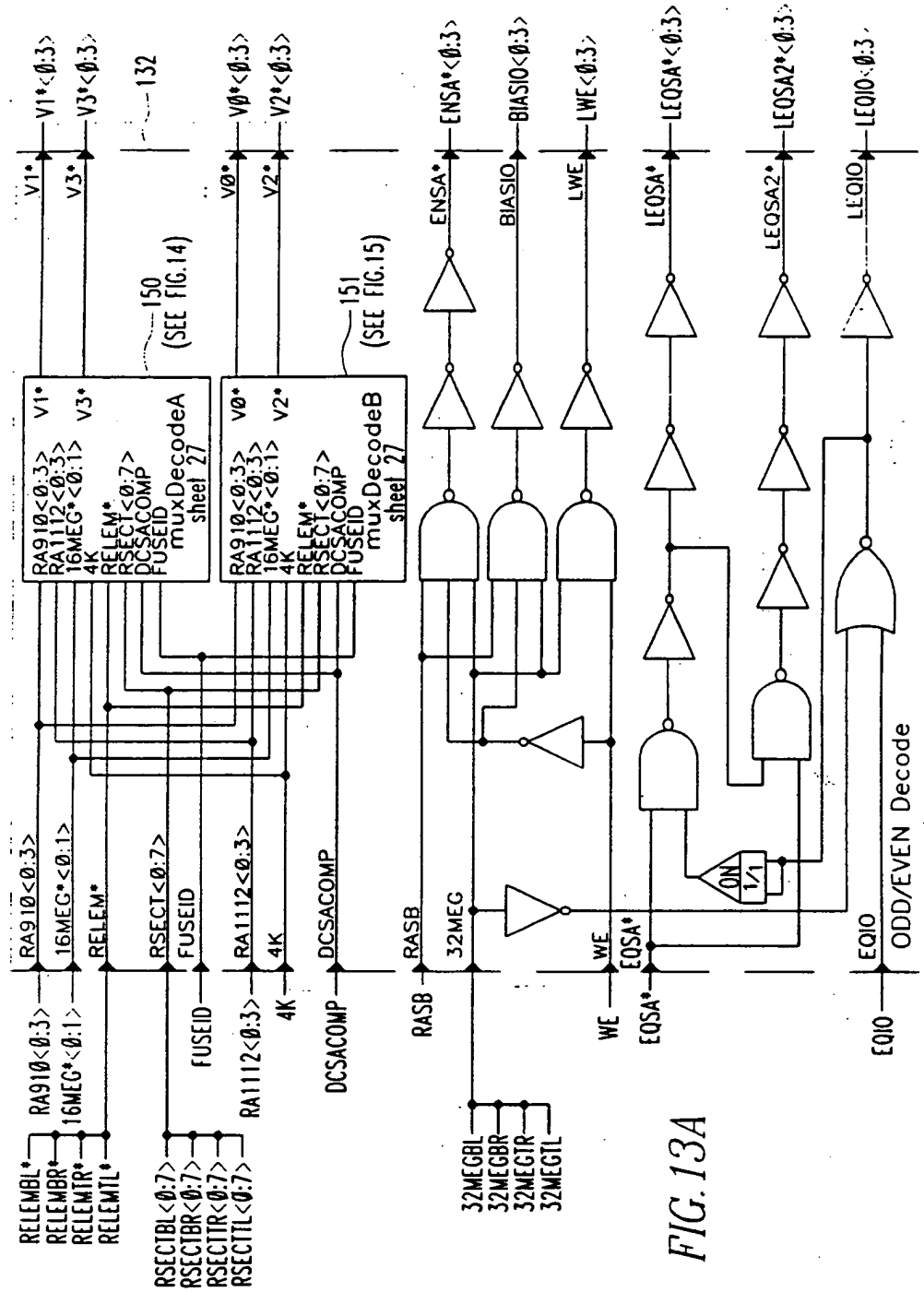
TO FIG. 12B3

FIG. 12B4



TO FIG. 12B3

100290\* 1258860



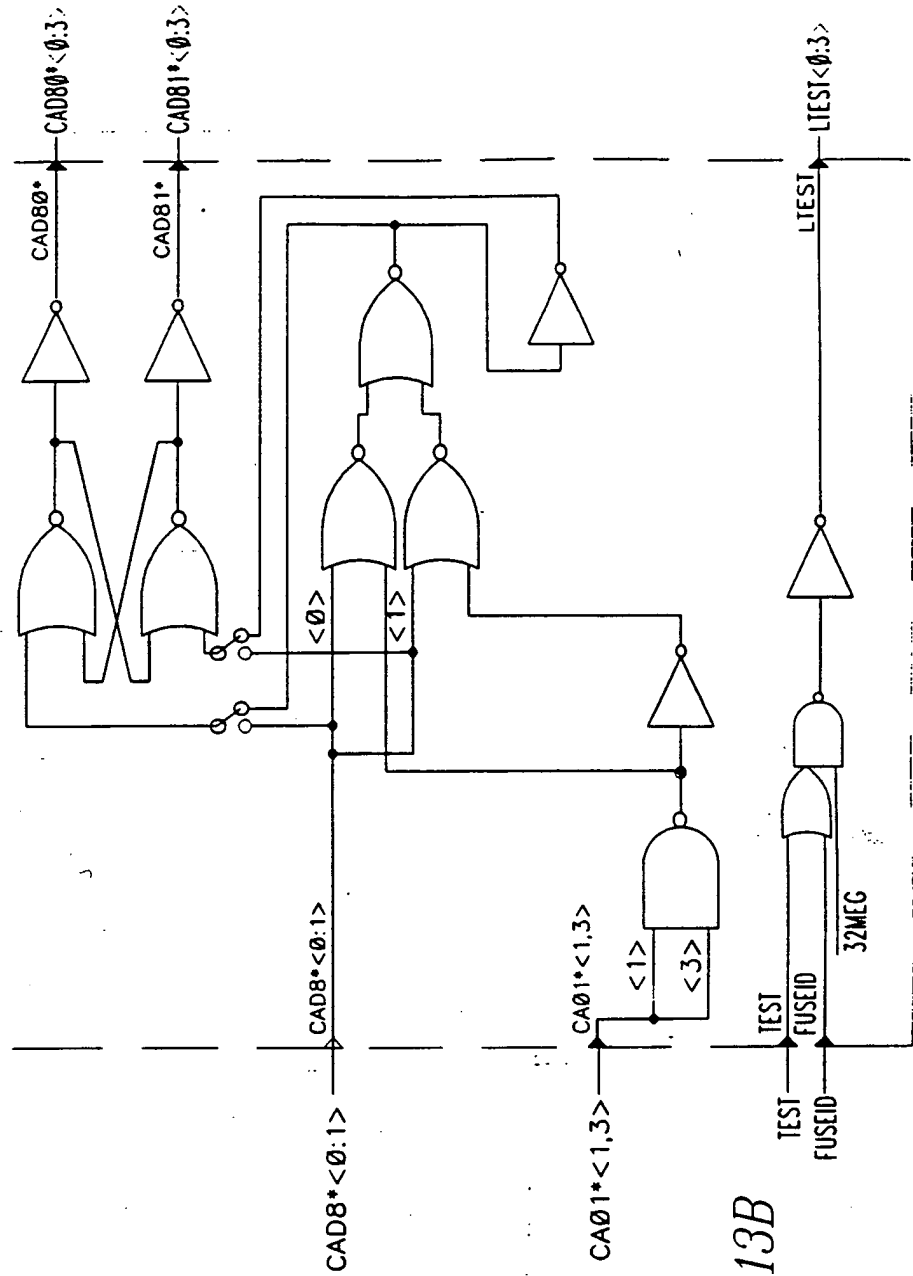


FIG. 13B



100296-1258860

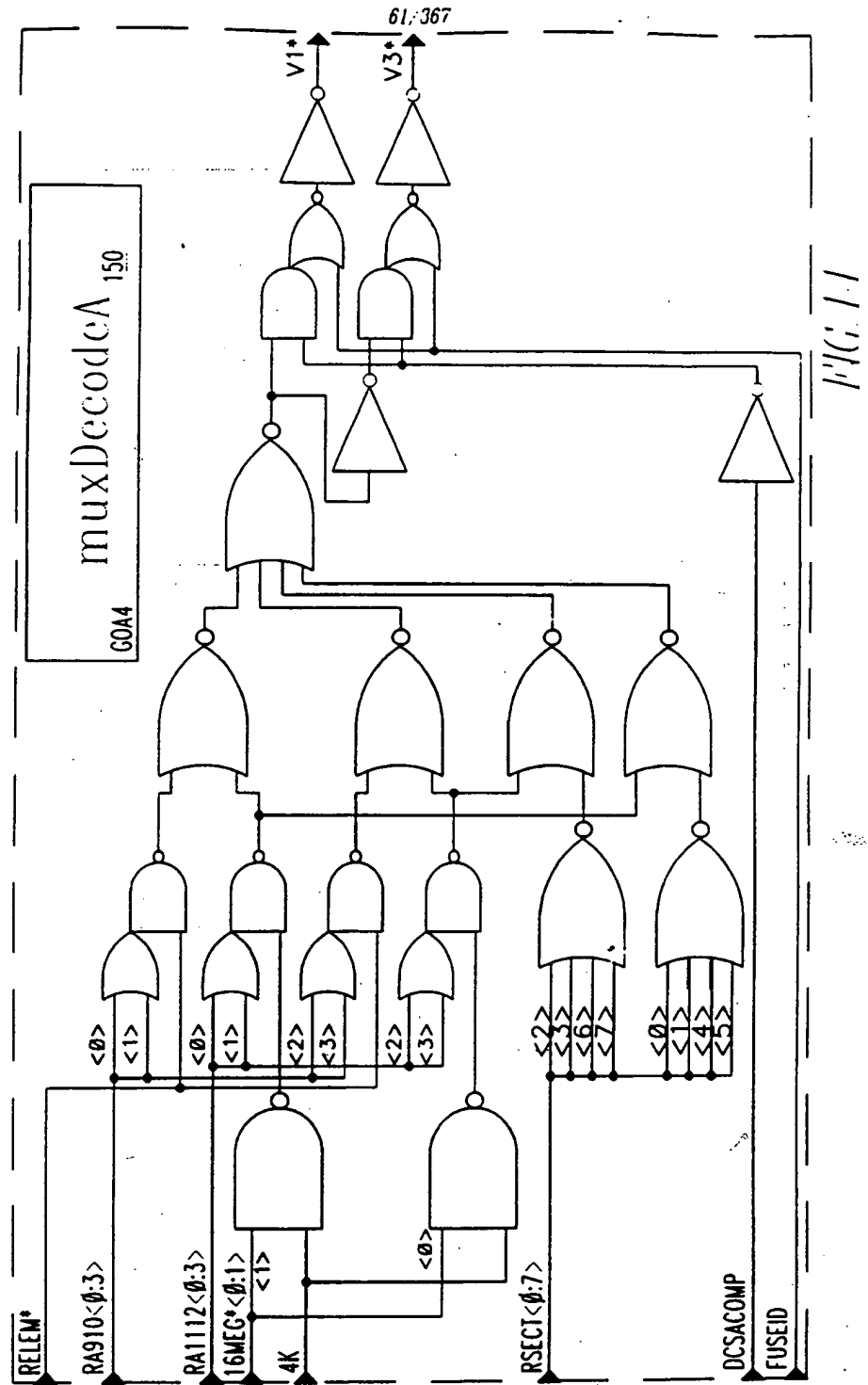
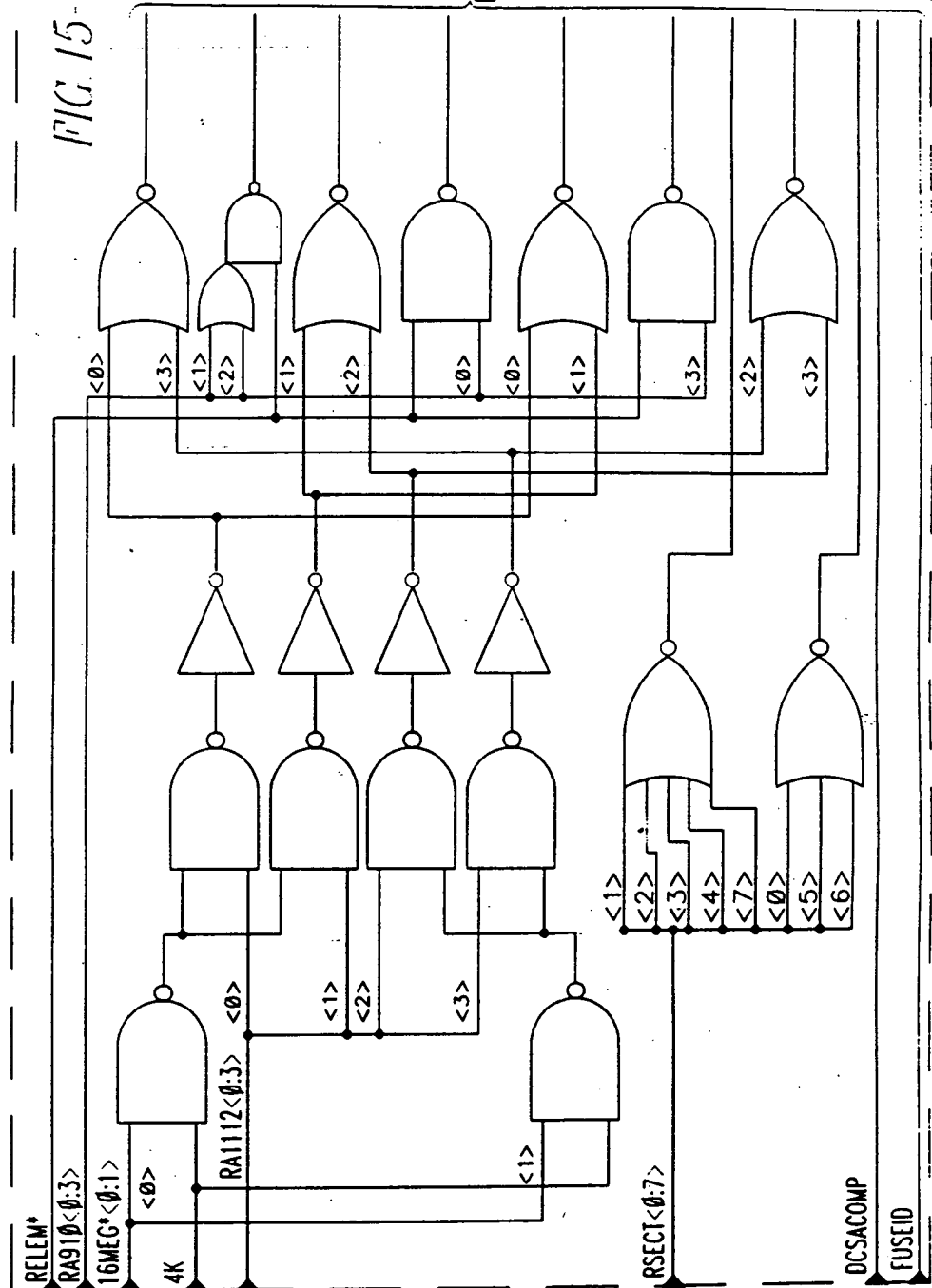
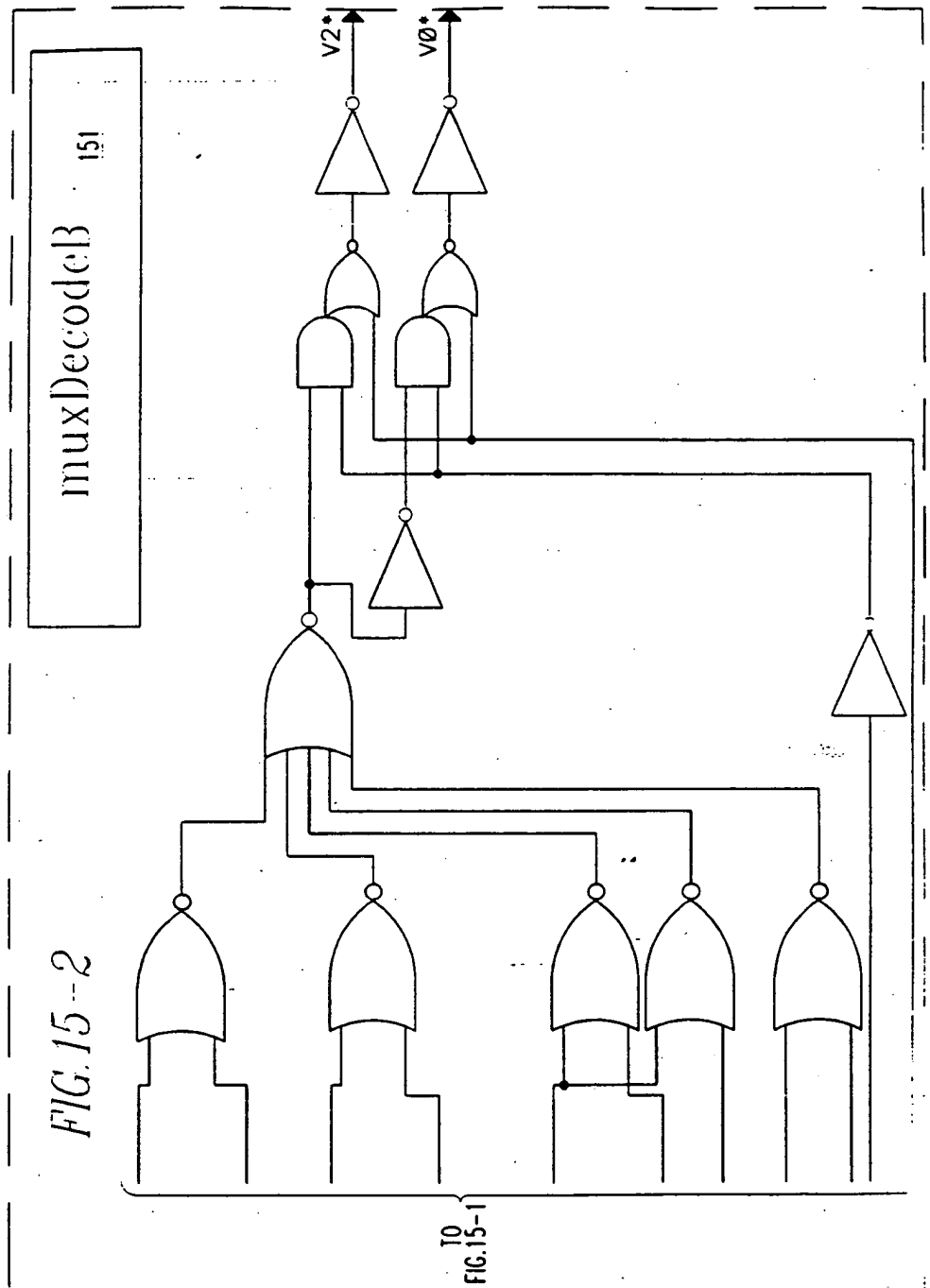


FIG. 15-1



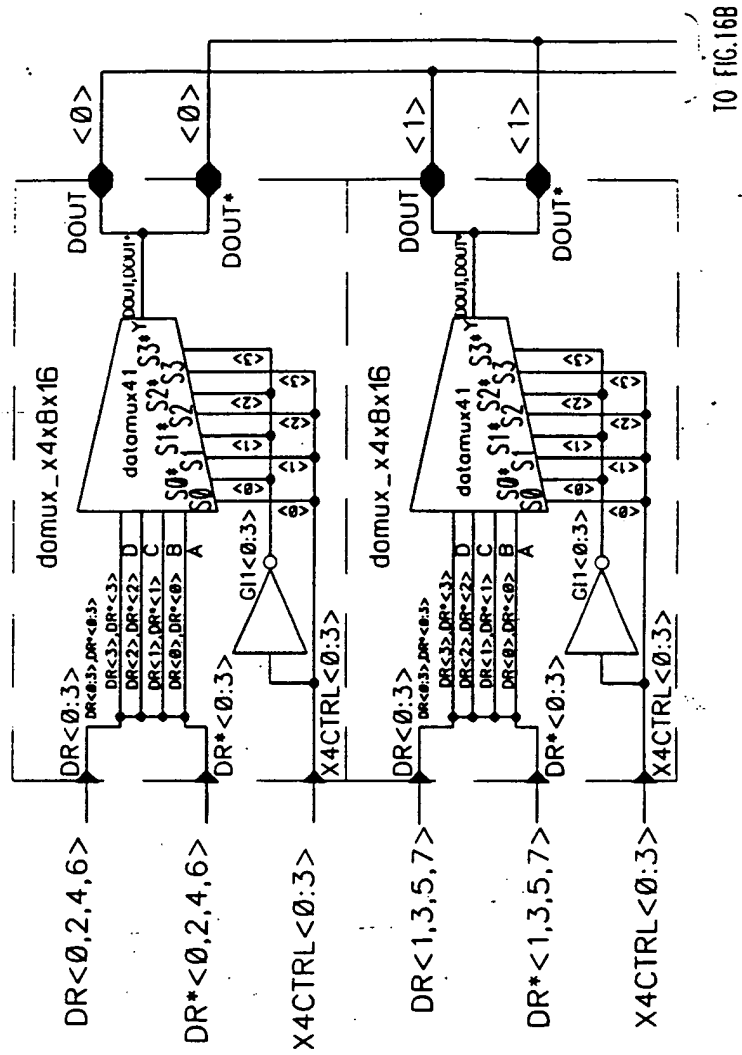
11  
T00290-71258860

FIG. 15-2



100290\*21258860

FIG. 16A



11-53263-1

OPTX16  
OPTX4  
X8CTRL<0:1>  
X4CTRL<0:3>  
DR<0:7>  
DR\* <0:7>

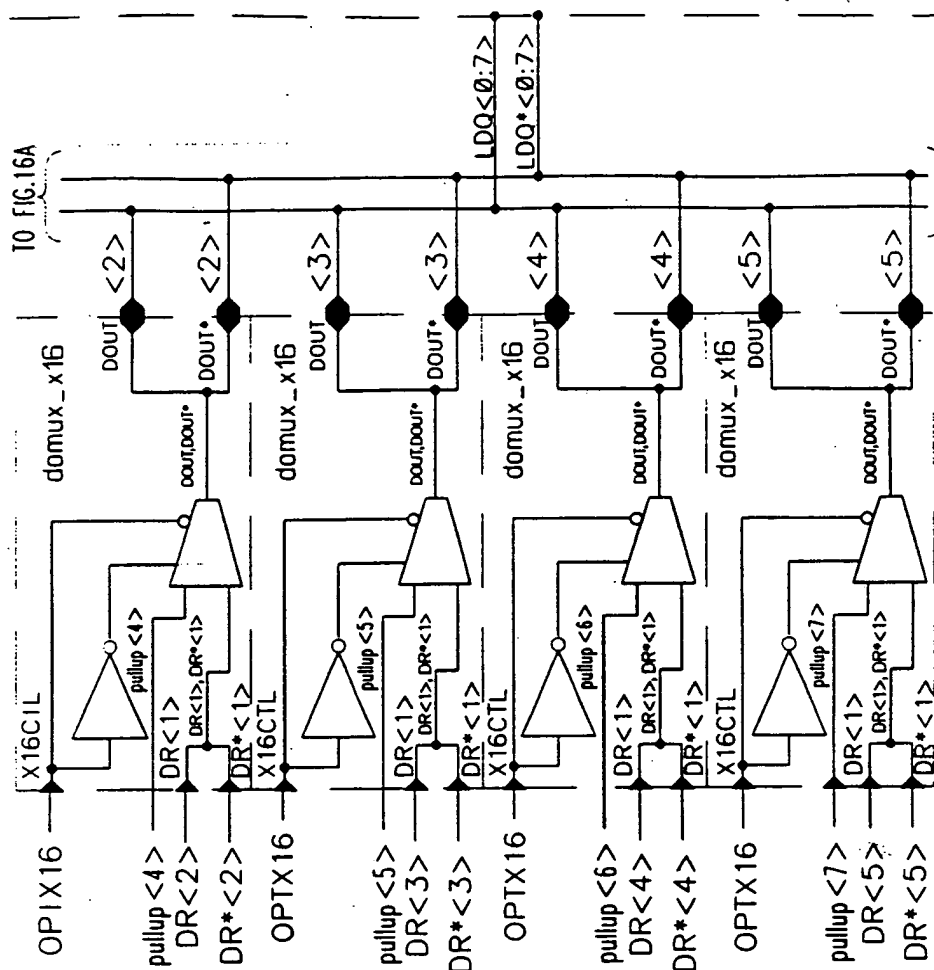
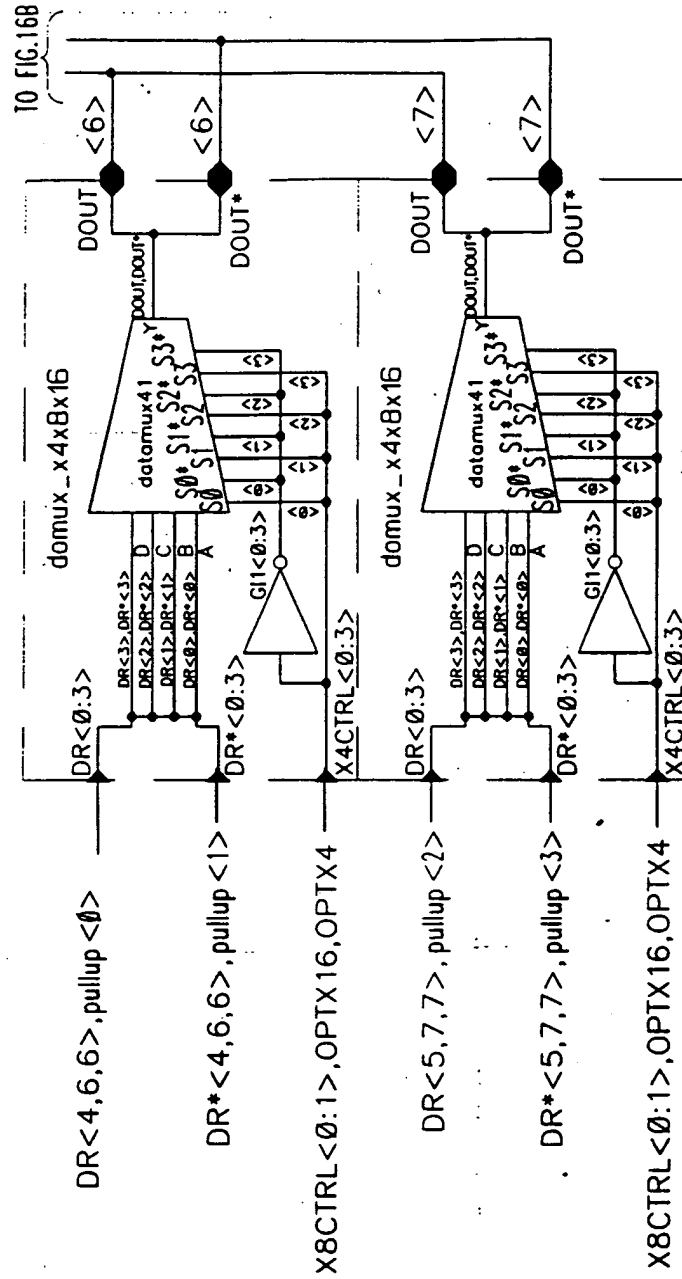


FIG. 16B

100290-1258860



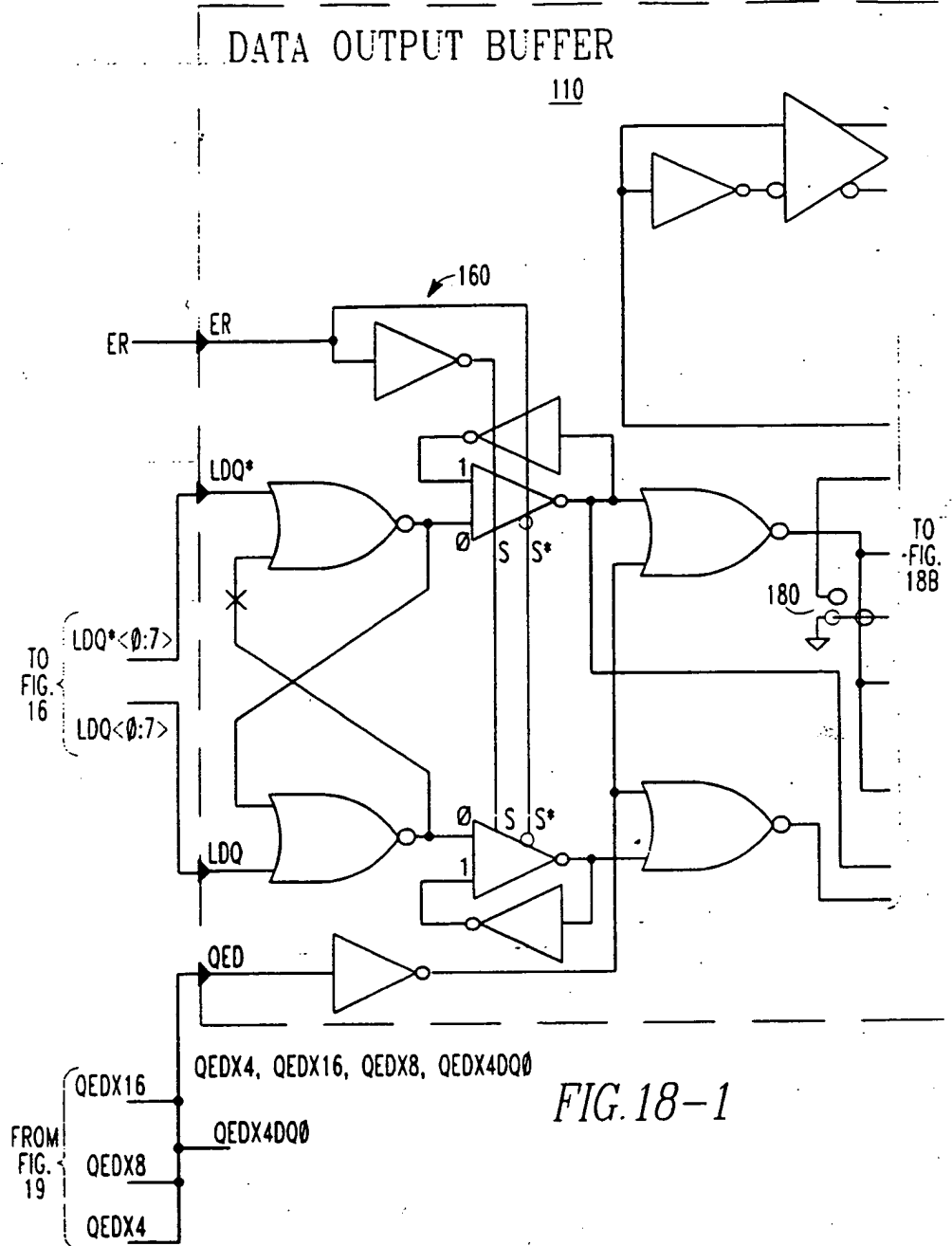
dataReadMux

FIG. 16C

[illegible]

FIG. 18

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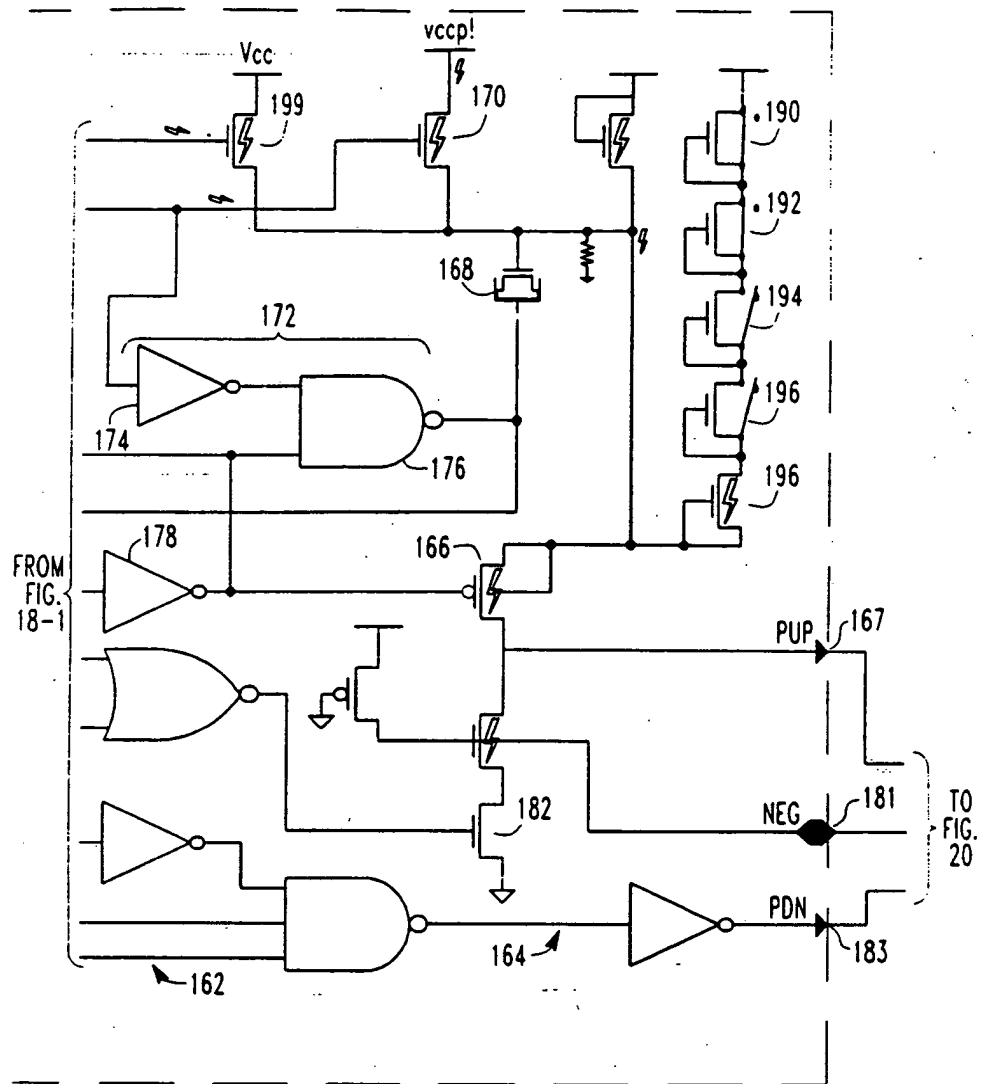


FIG. 18-2

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100290: 1258860

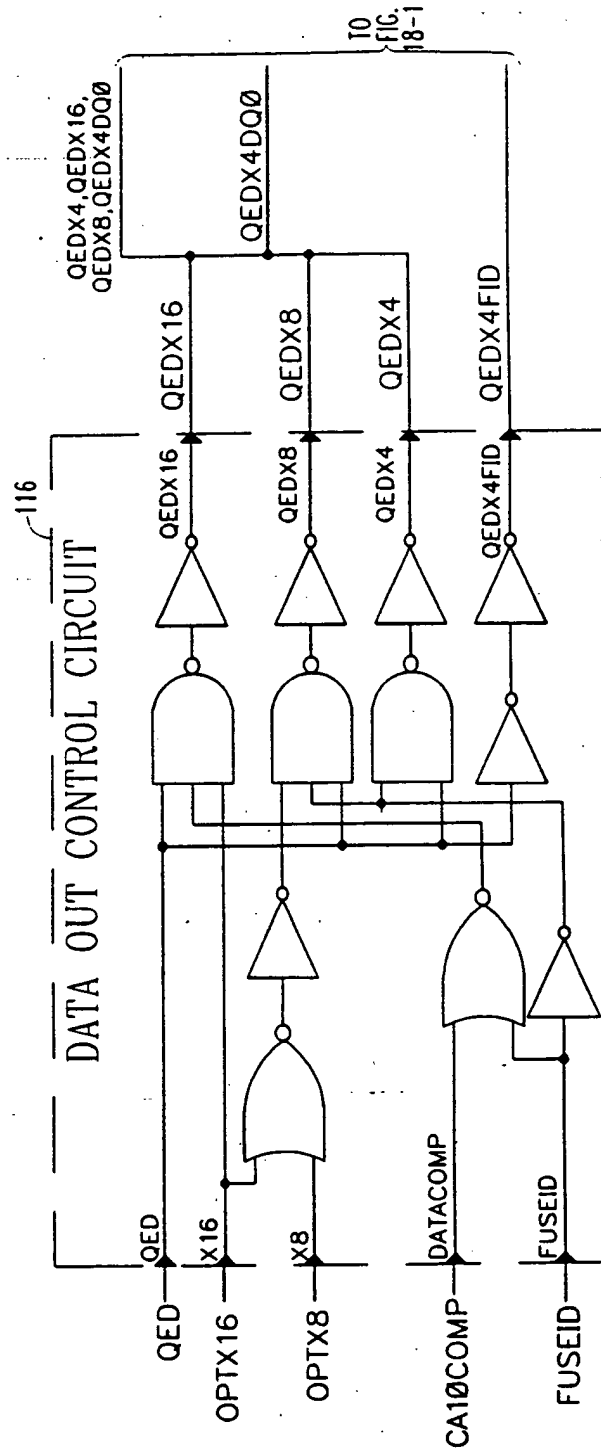


FIG. 19

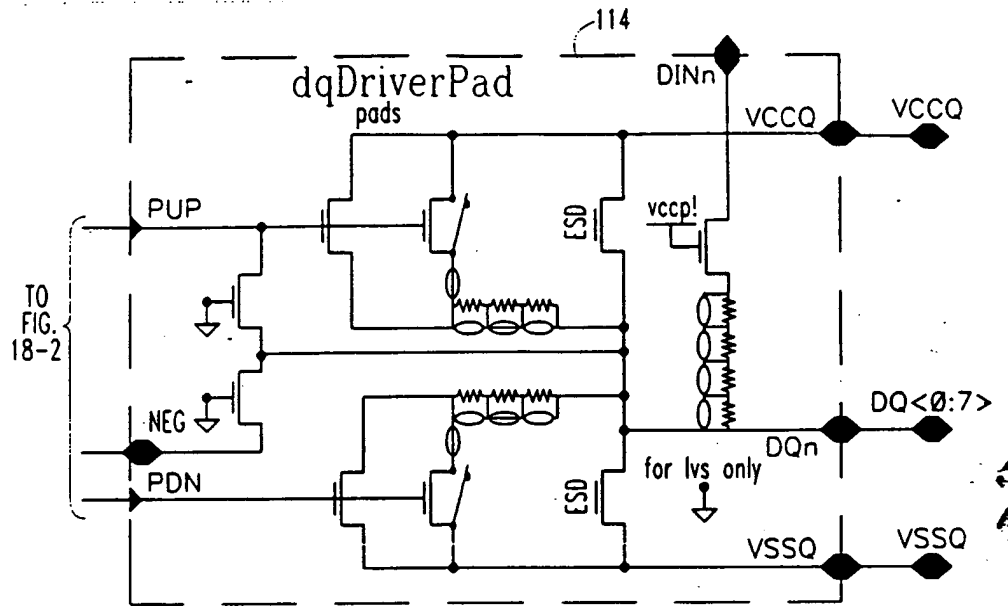


FIG. 20

0985217:062001

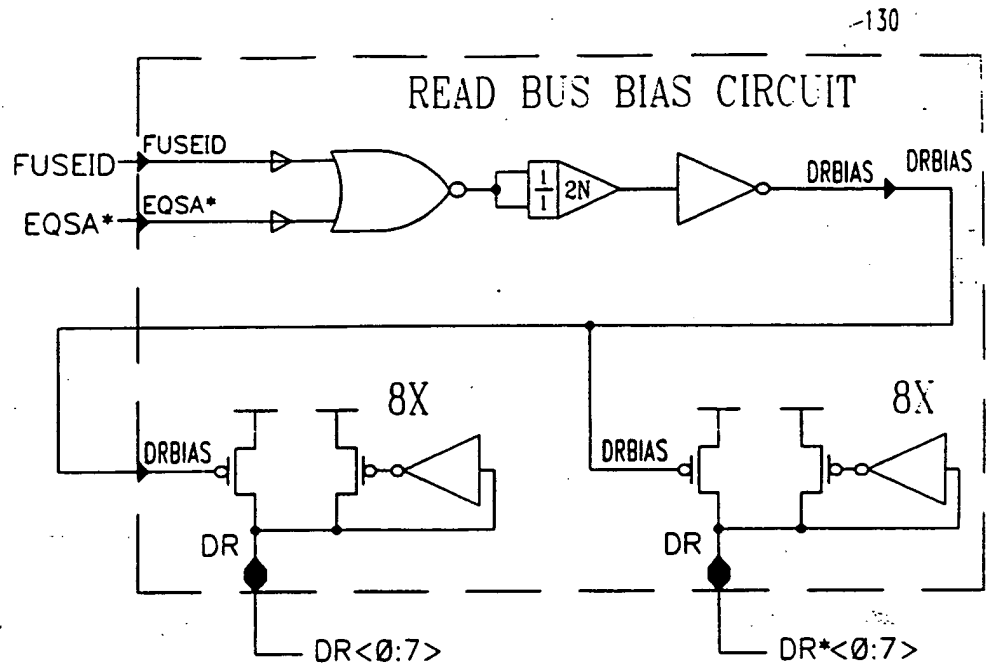


FIG. 21

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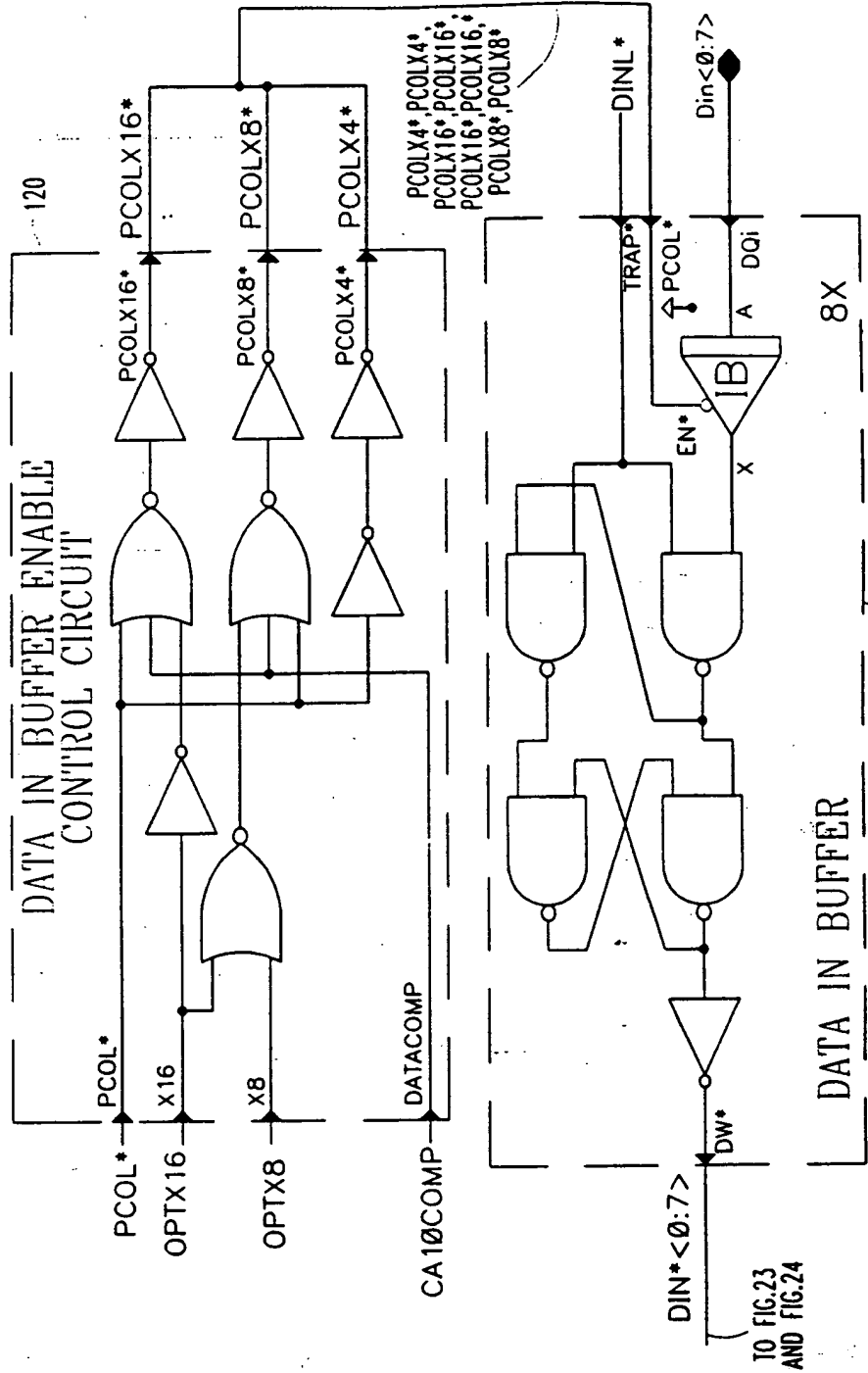


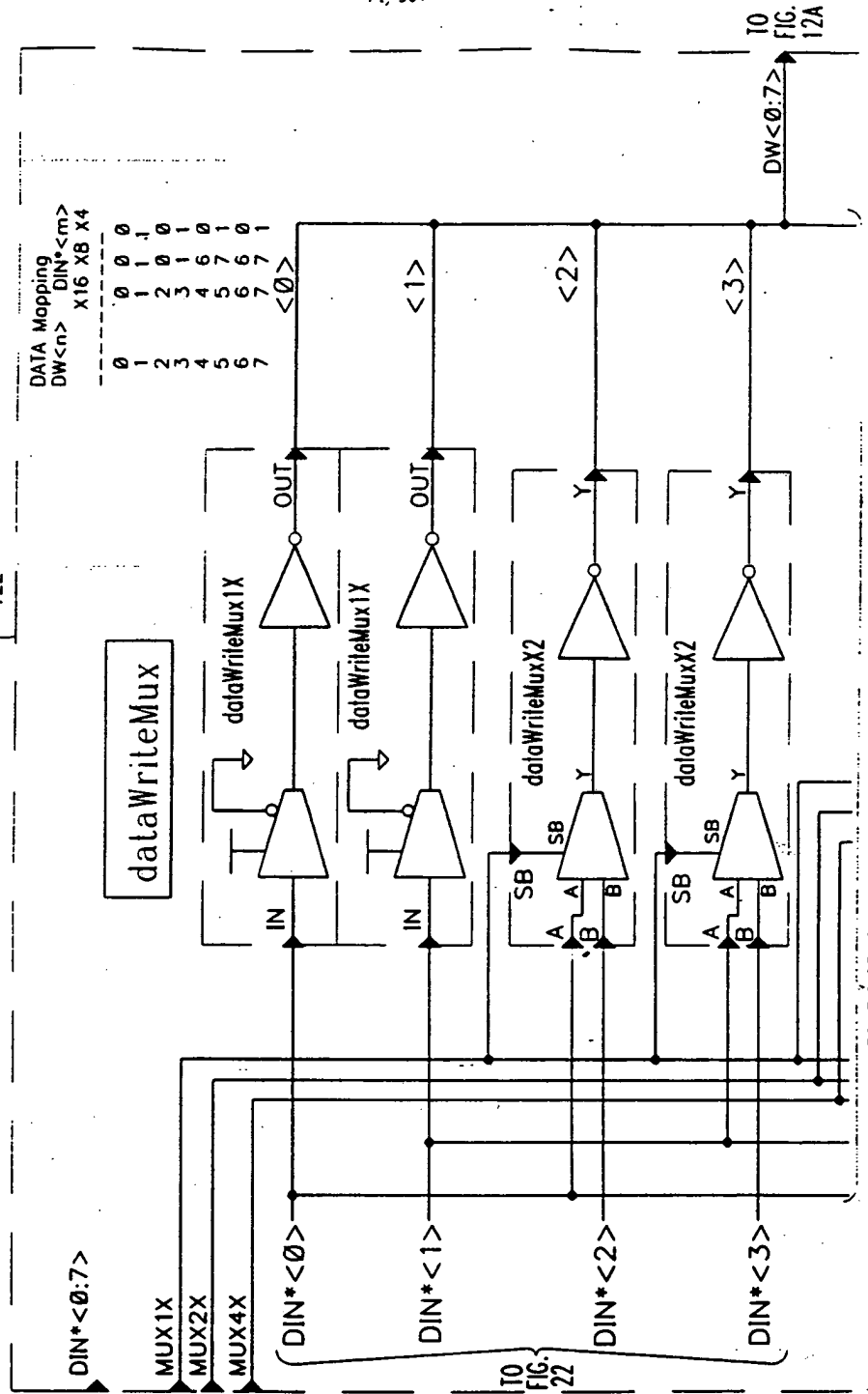
FIG. 22

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11  
T00296-1258860

FIG. 23-1

122



TO FIG. 23-2

12A

100290-1258860

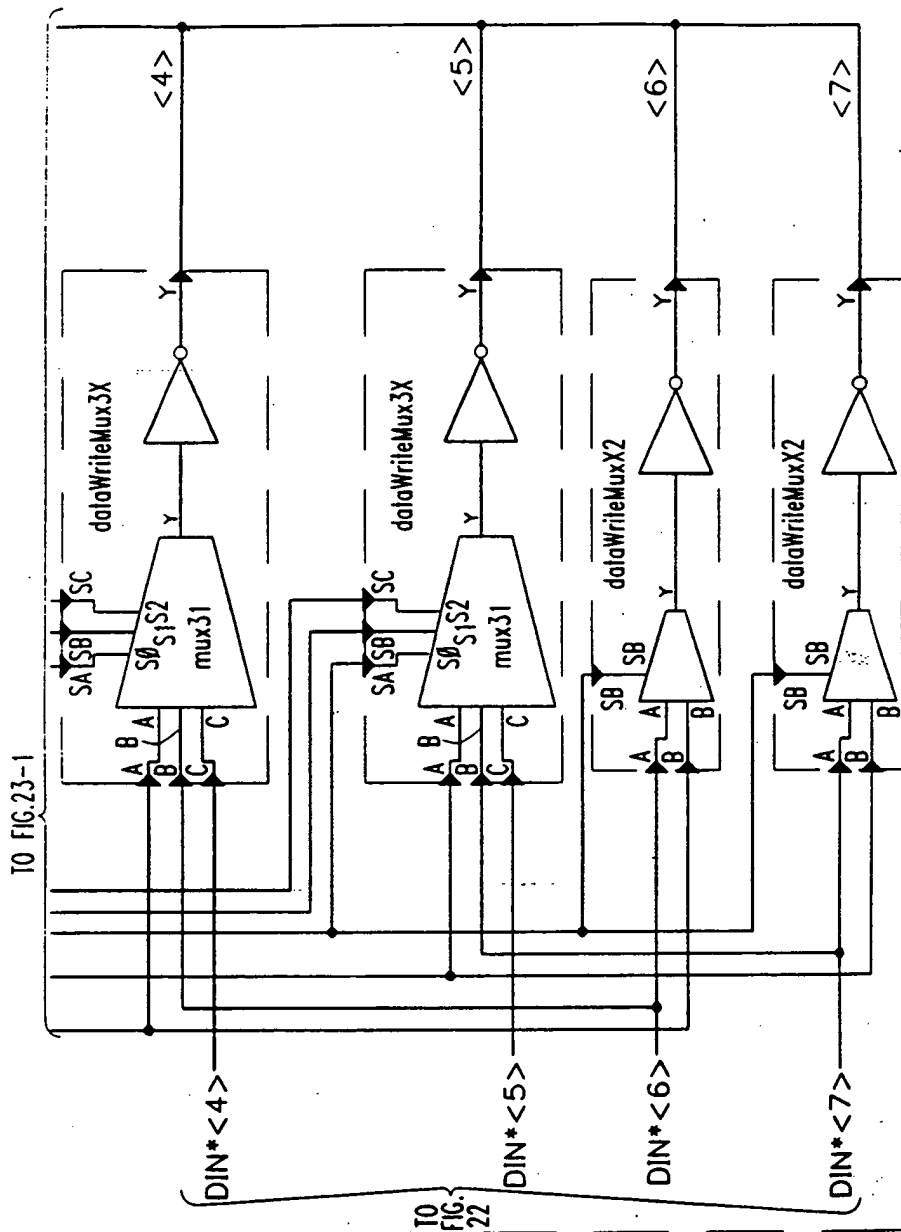


FIG. 23-2

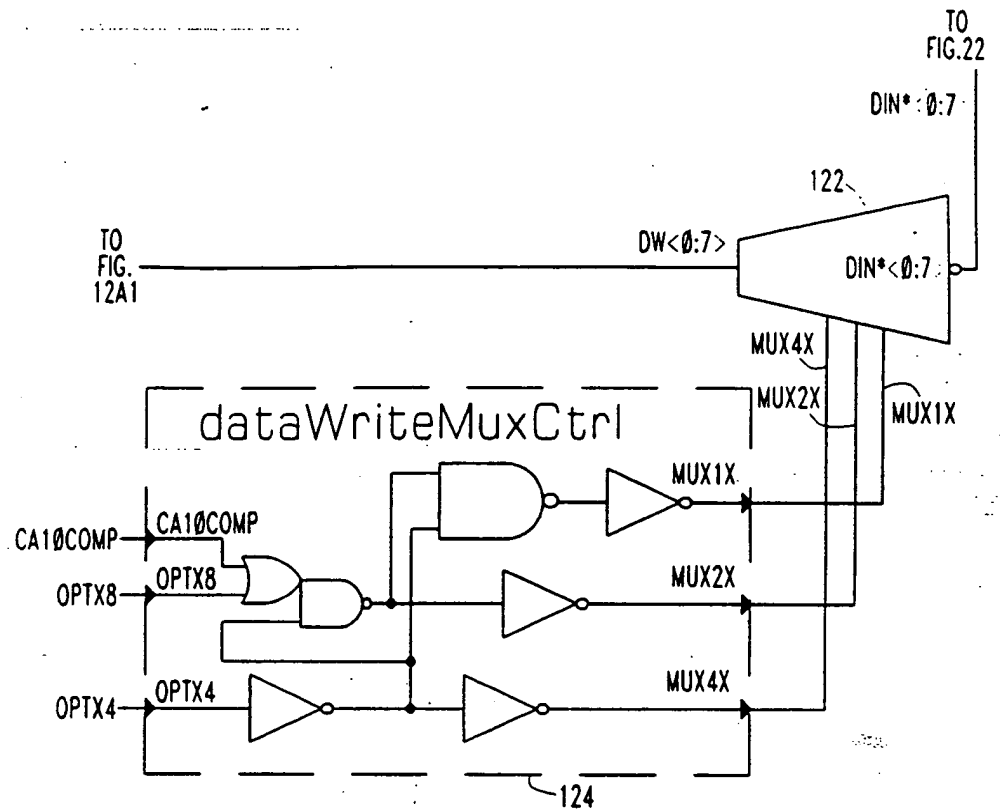


FIG. 24



FIG. 25

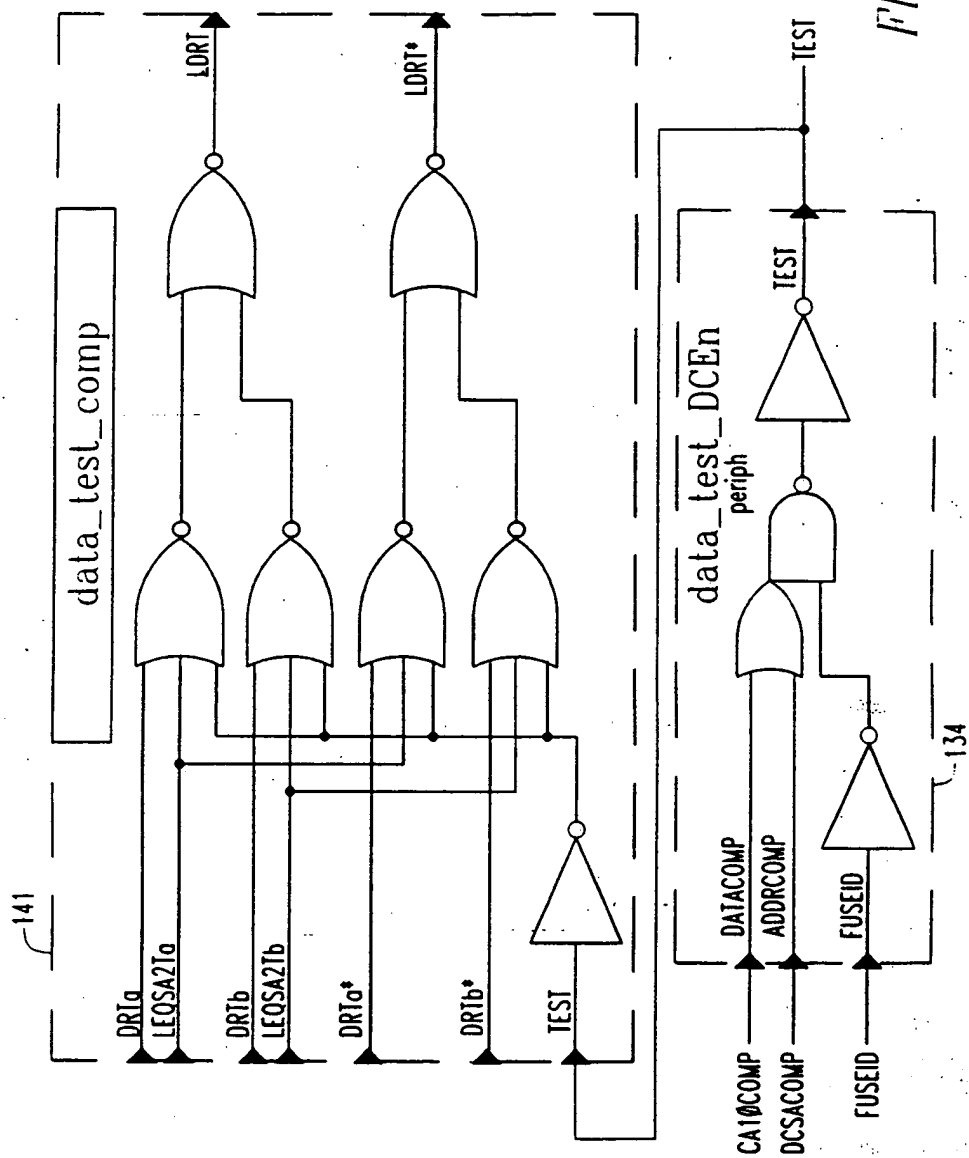


FIG. 25

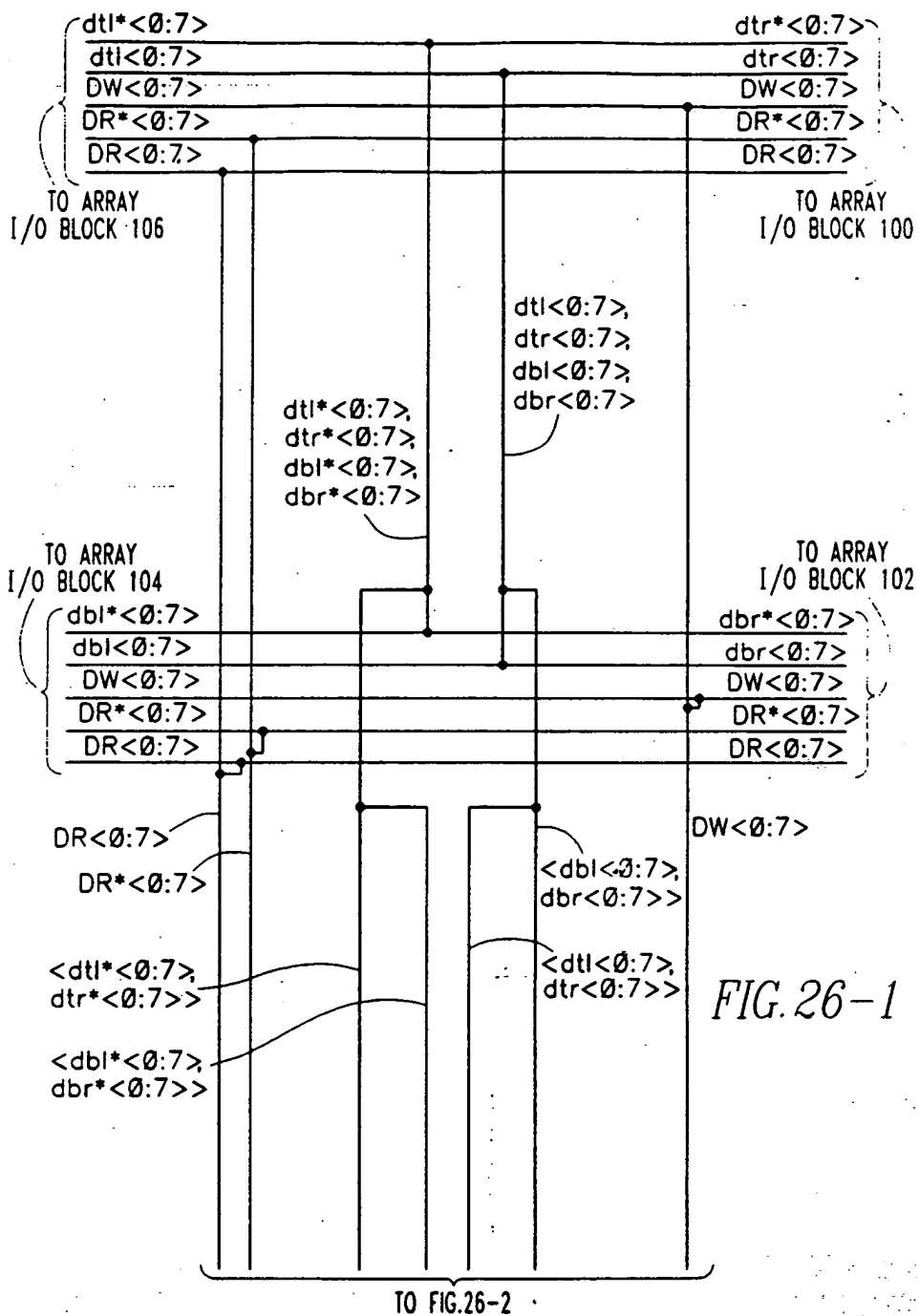
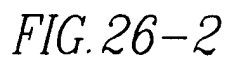


FIG.26-1

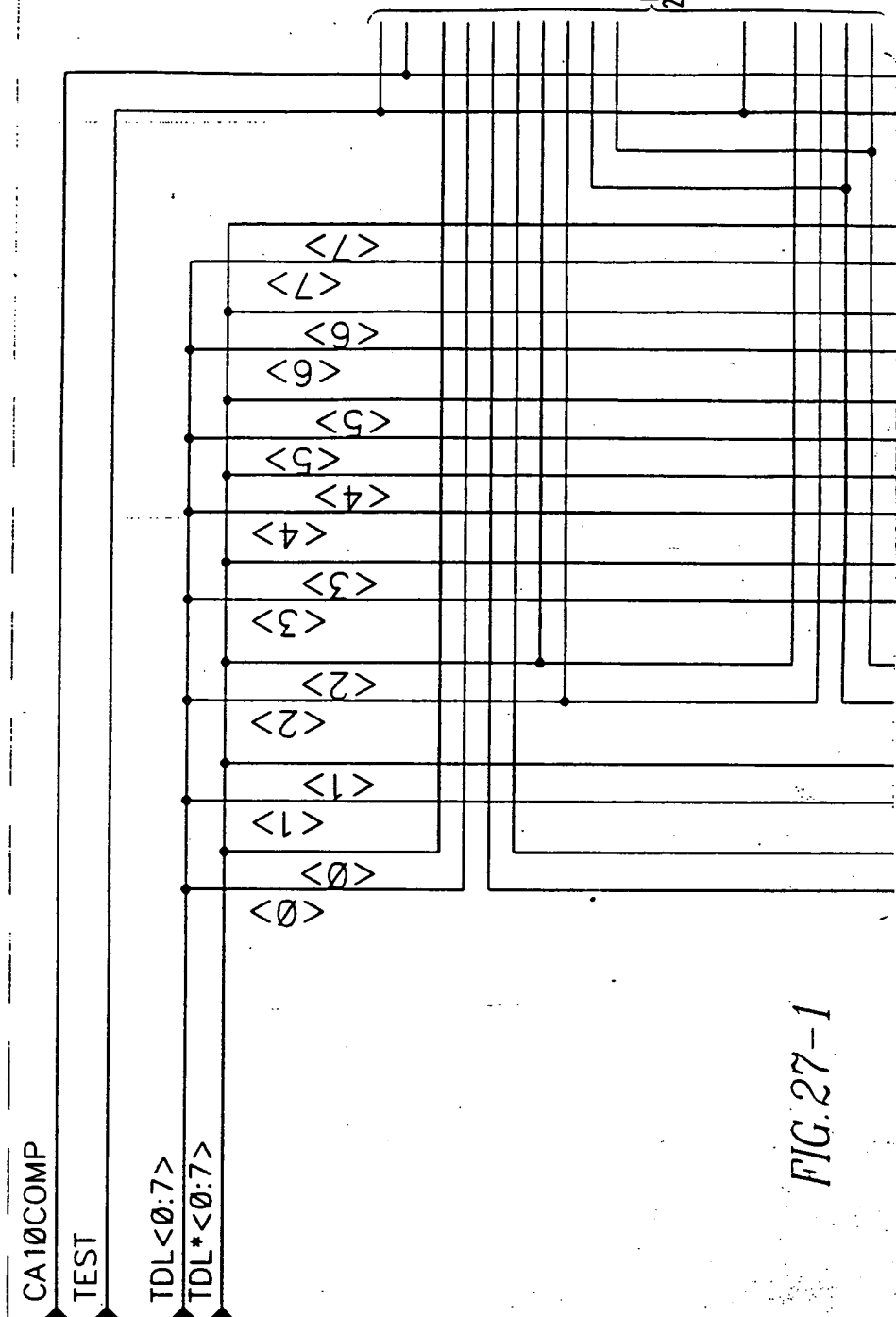
FROM FIG.26-1



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TO  
FIG. 27-2

11  
100290-1258860



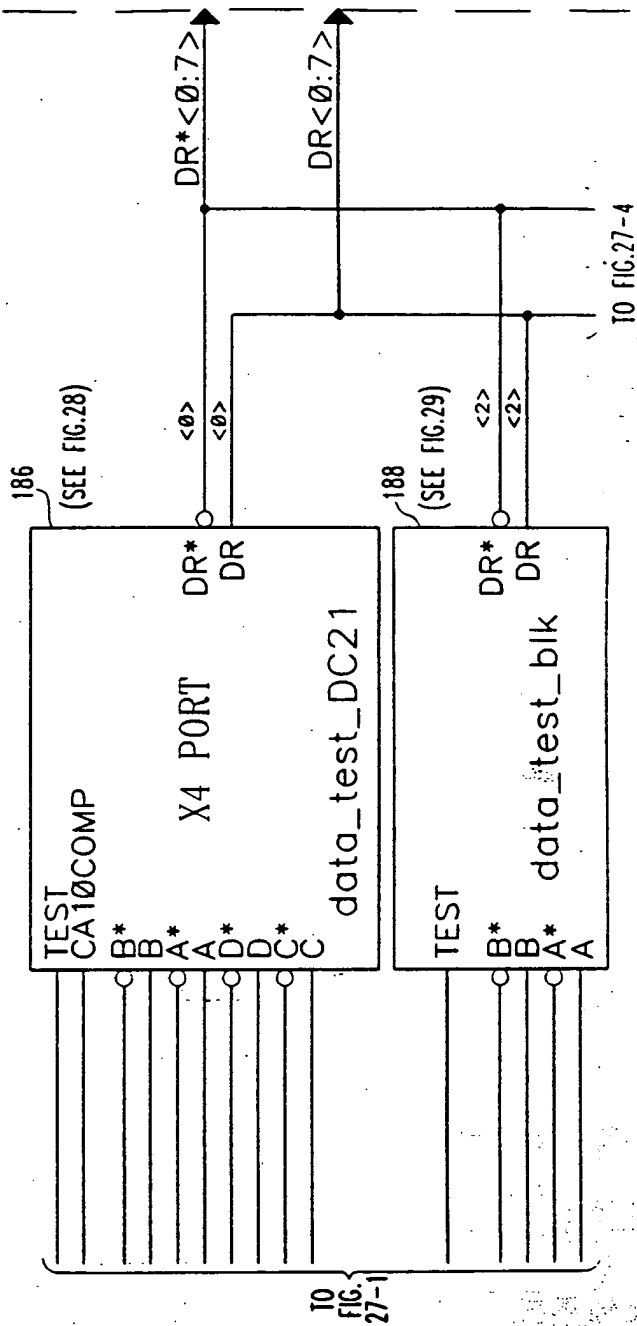
TO FIG. 27-3

FIG. 27-1

100290-71258860

FIG. 27-2

dataPathTest  
Block 128

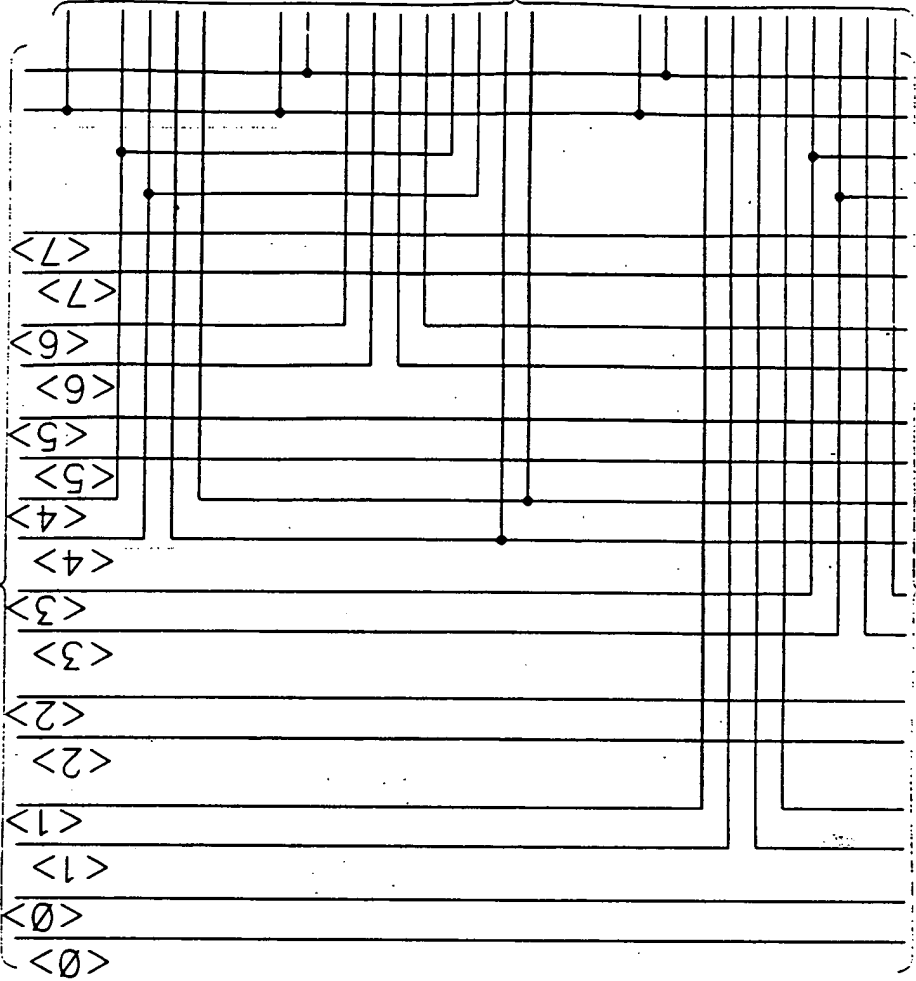


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TO  
FIG. 27-4

100290-1258860

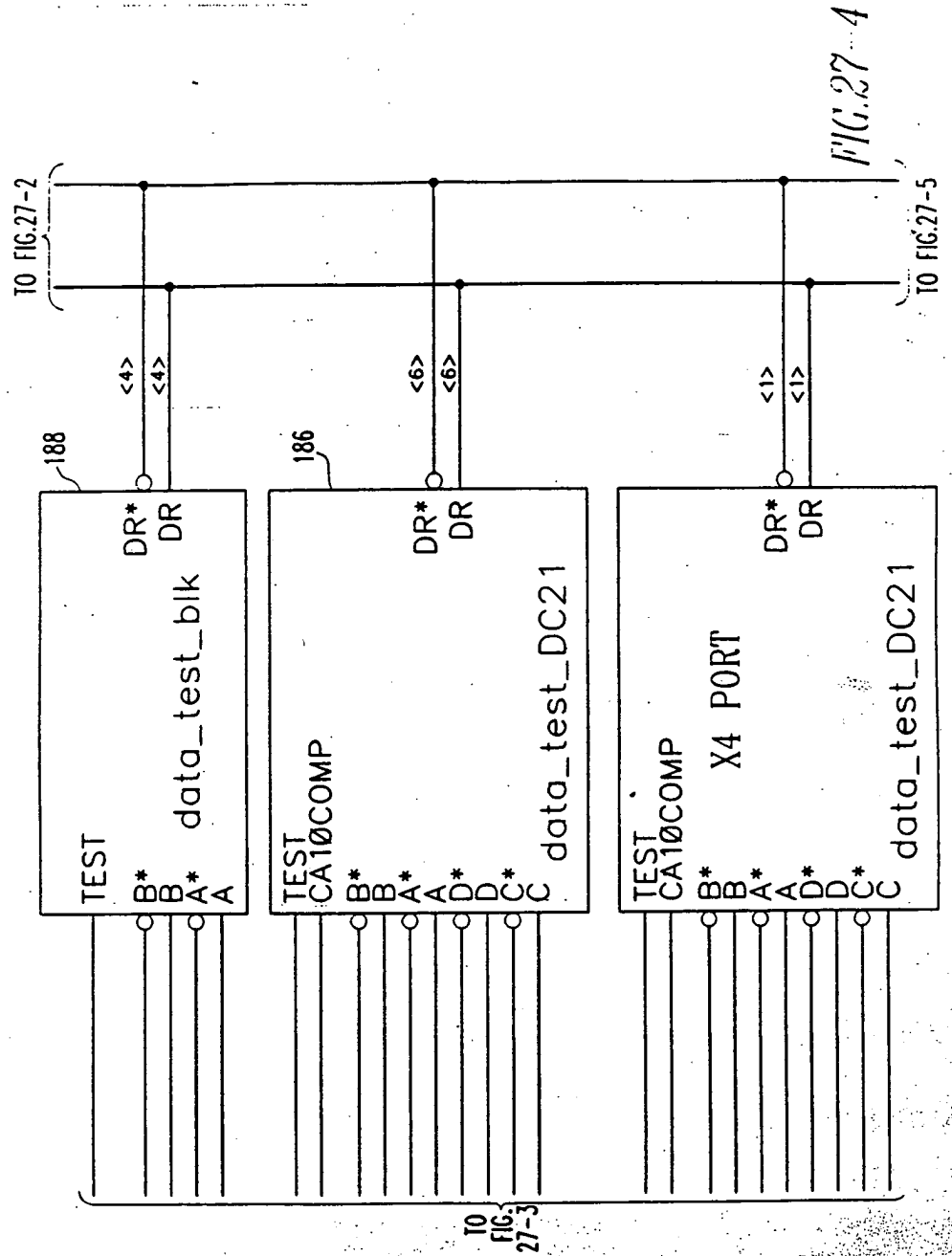
TO FIG. 27-1



TO FIG. 27-5

FIG. 27-3

100246-1258860



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FIG. 27-6  
10

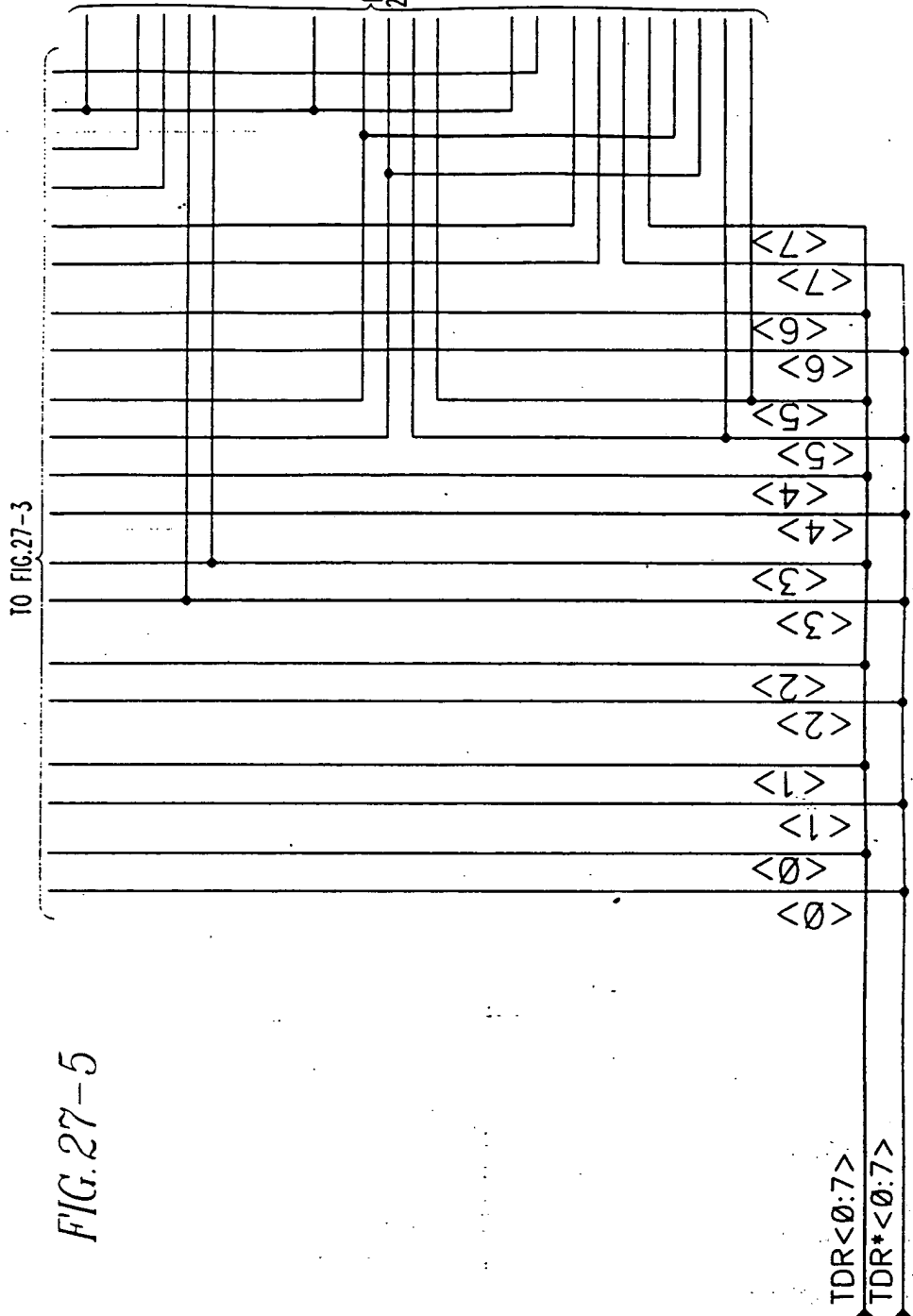


FIG. 27-5

100290-1258860



100290/1258860

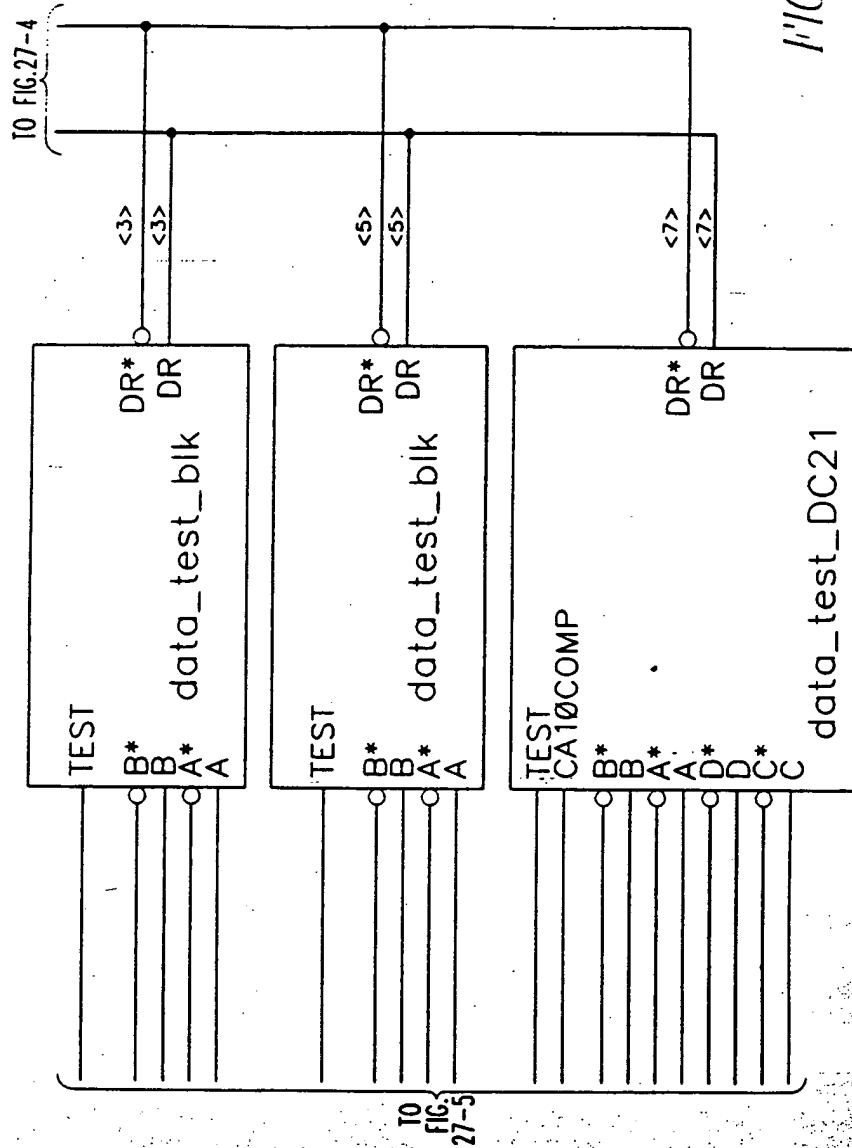


FIG. 27-6

TO  
FIG.  
27-5

09885217-062001

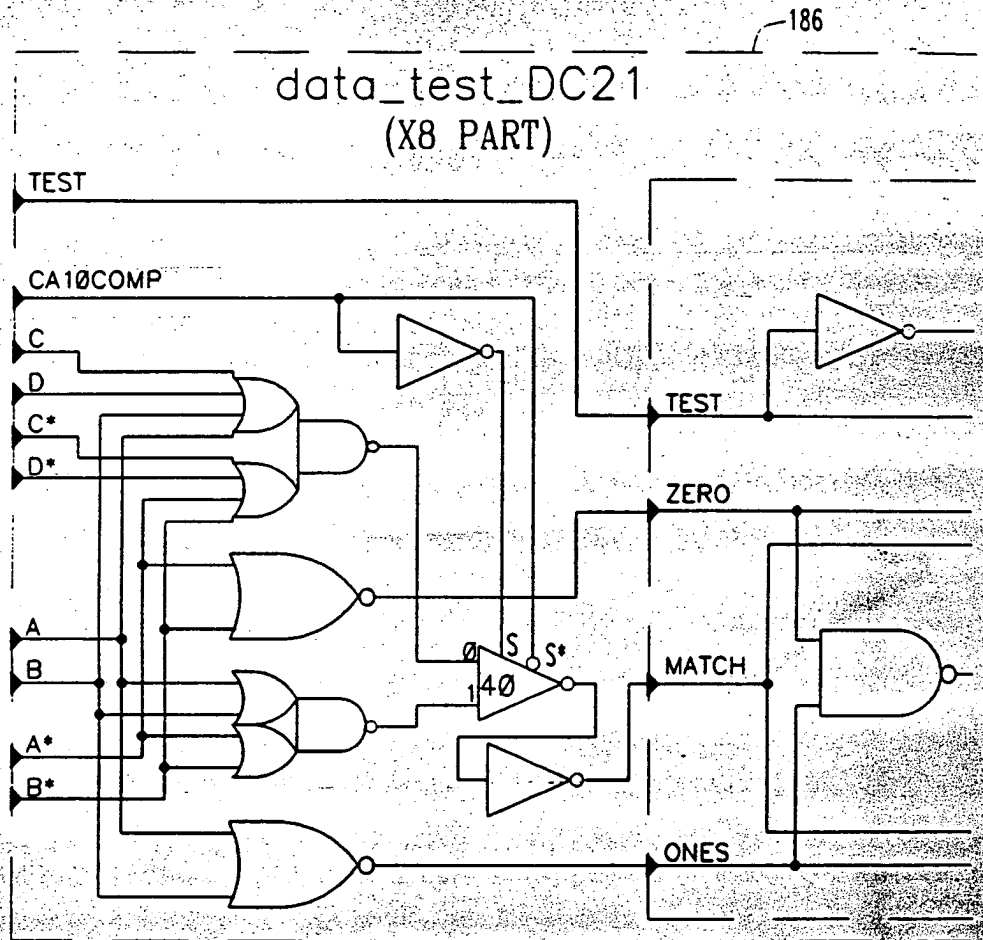


FIG. 28-1

09885217.062001

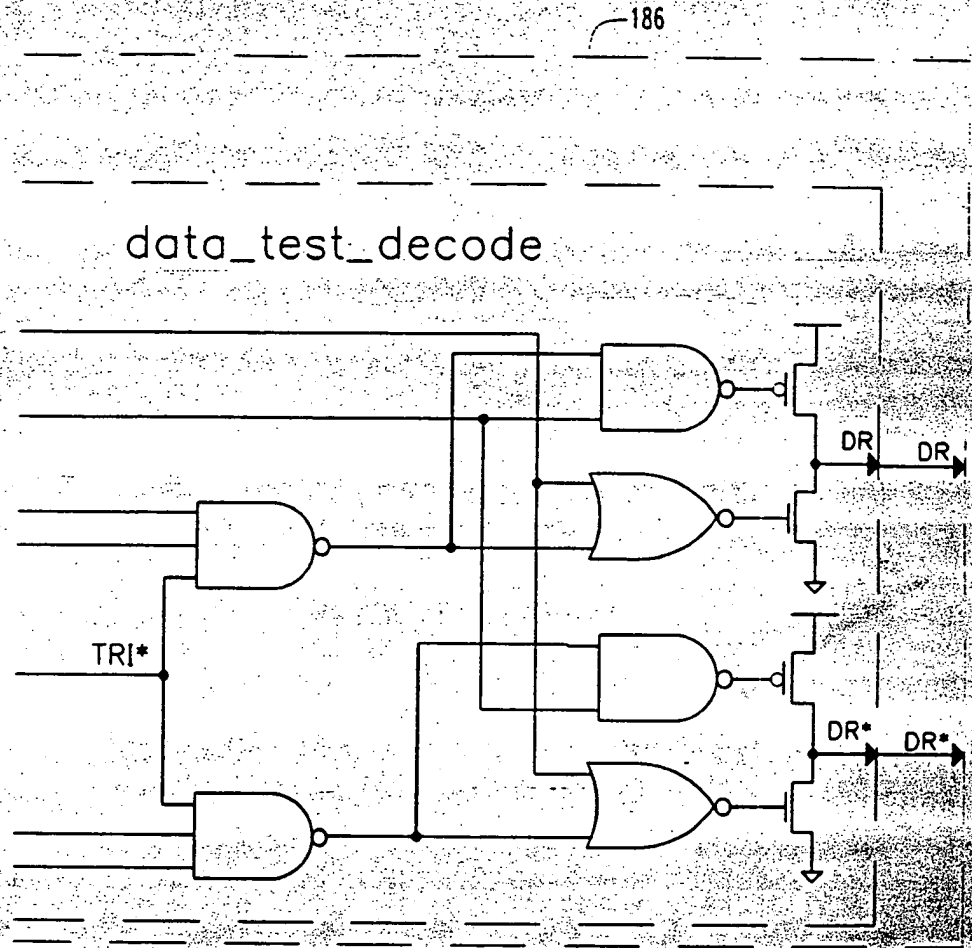


FIG. 28-2

00290-11258860

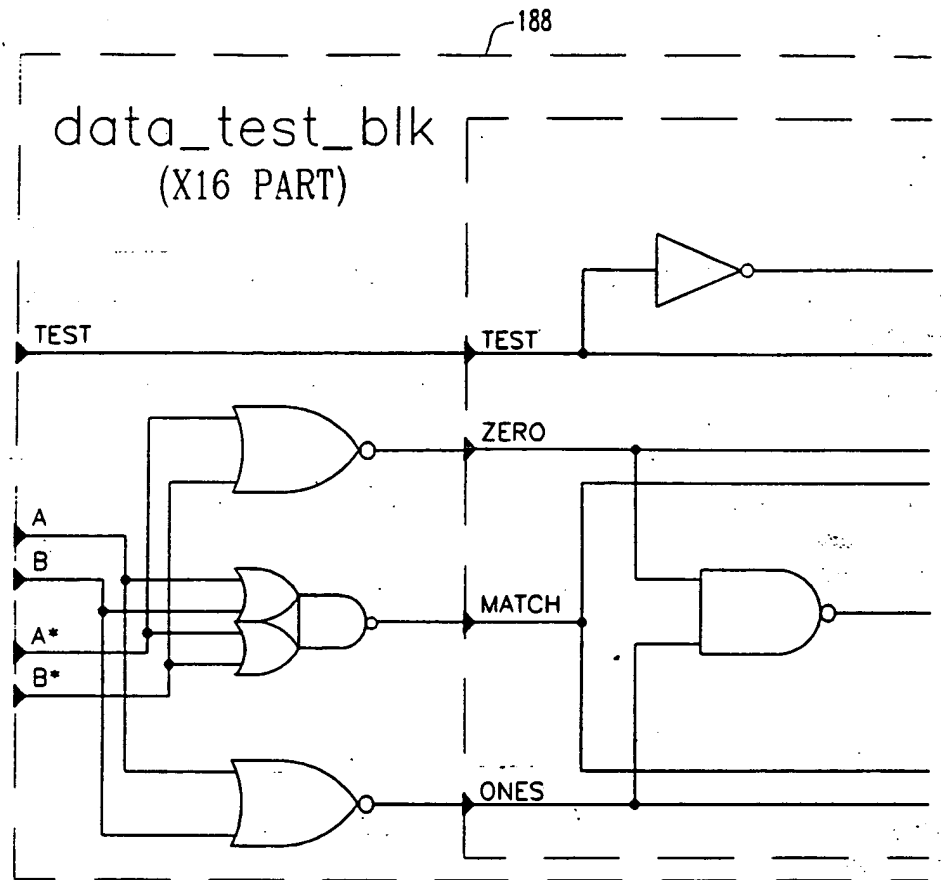


FIG. 29-1

0885217-062001

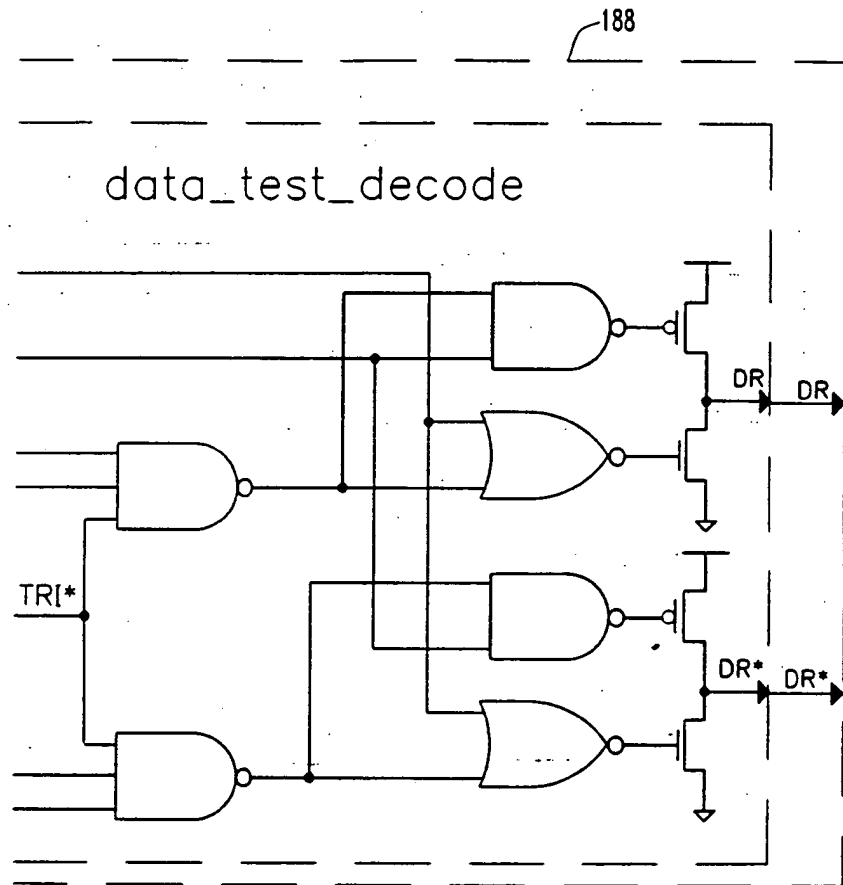
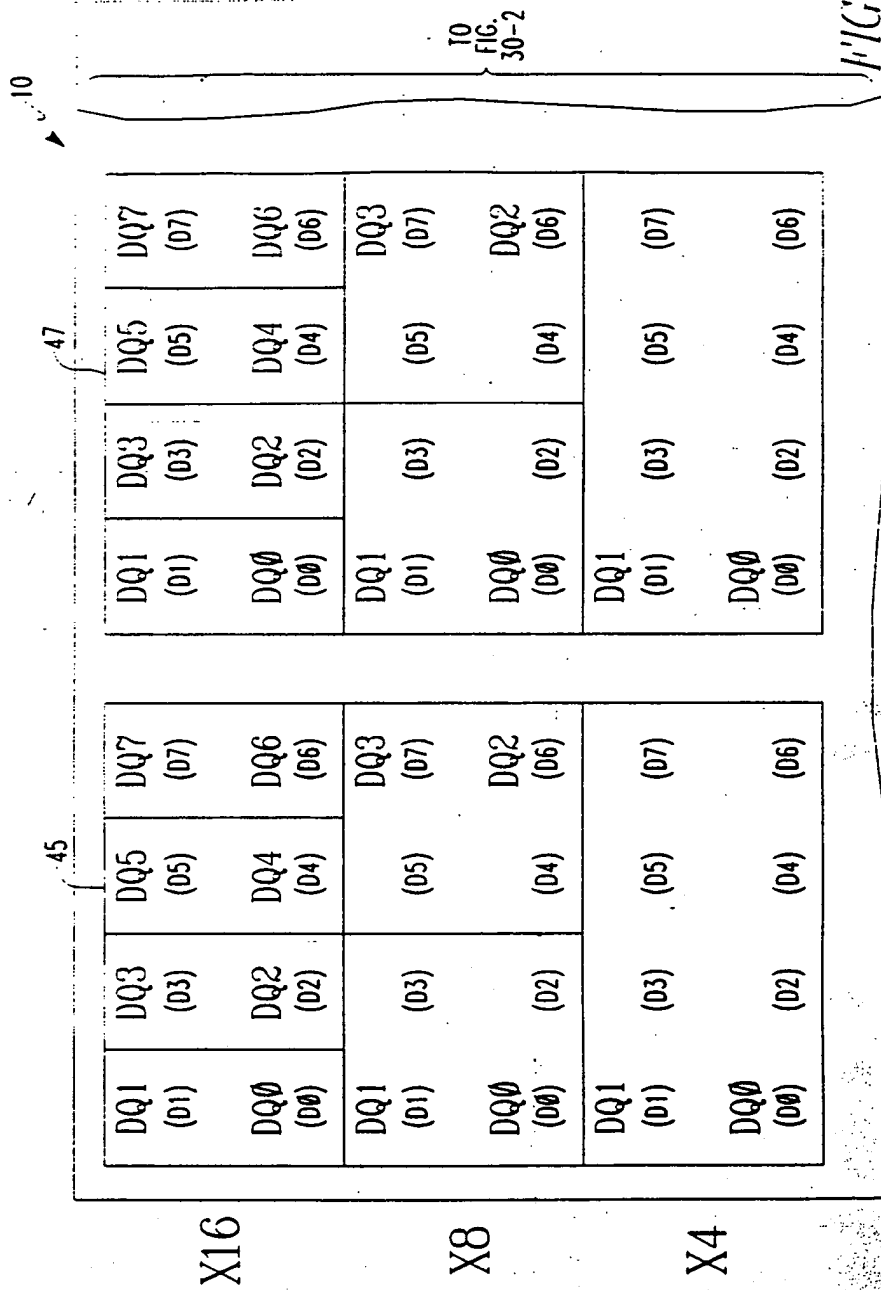


FIG. 29-2

100290-1258860



100290-1258860

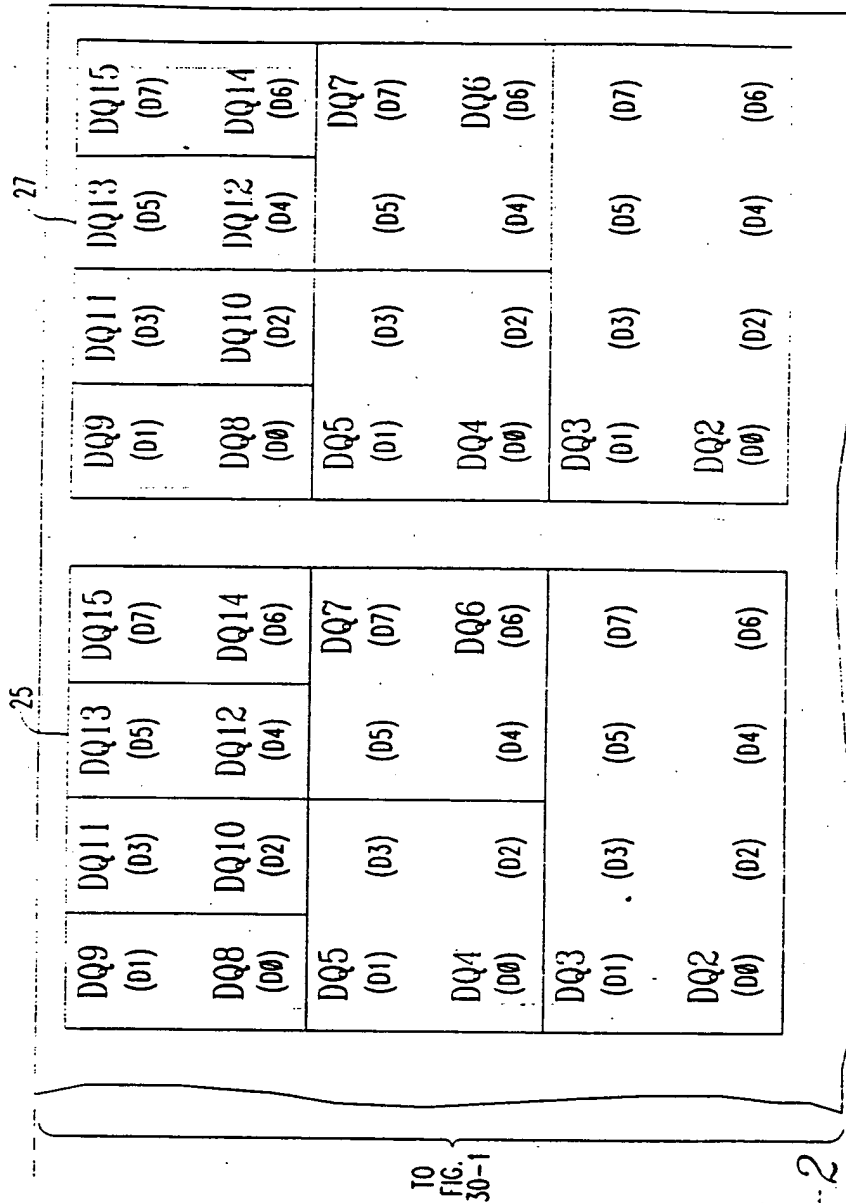


FIG. 30-2

TO FIG. 30-4

100290-1258860

10 FIG. 30-1

40

38

(00) DQ0	(02)	(04)	(06)
	(03)	(05)	(07)
	(01) DQ1		
(00) DQ0	(02)	(04)	(06) DQ2
	(03)	(05)	(07) DQ3
	(01) DQ1		
(00) DQ0	(02) DQ2	(04) DQ4	(06) DQ6
	(03) DQ3	(05) DQ5	(07) DQ7
	(01) DQ1		

X4

X8

X16

10  
FIG.  
30-4

FIG. 30 3

100290-1258860



100290-1258860

TO FIG. 30-2

33

31

(00) DQ2	(02)	(04)	(06)	(00) DQ2	(02)	(04)	(06)
(01) DQ3	(03)	(05)	(07)	(01) DQ3	(03)	(05)	(07)
(00) DQ4	(02)	(04)	(06)	(00) DQ4	(02)	(04)	(06)
(01) DQ5	(03)	(05)	(07)	(01) DQ5	(03)	(05)	(07)
(00) DQ8	(02)	(04)	(06)	(00) DQ8	(02)	(04)	(06)
(01) DQ9	(03)	(05)	(07)	(01) DQ9	(03)	(05)	(07)
(00) DQ10	(02)	(04)	(06)	(00) DQ10	(02)	(04)	(06)
(01) DQ11	(03)	(05)	(07)	(01) DQ11	(03)	(05)	(07)
(00) DQ12	(02)	(04)	(06)	(00) DQ12	(02)	(04)	(06)
(01) DQ13	(03)	(05)	(07)	(01) DQ13	(03)	(05)	(07)
(00) DQ14	(02)	(04)	(06)	(00) DQ14	(02)	(04)	(06)
(01) DQ15	(03)	(05)	(07)	(01) DQ15	(03)	(05)	(07)

TO  
FIG.  
30-3

FIG. 30-1

100290-1258860

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X4	VSSQ	N/C	VSSQ	N/C	N/C						
X8	VSSQ	DQ3	VSSQ	DQ2	N/C						
X16	VSSQ	DQ7	VSSQ	DQ6	DQ5						
	1	2	3	4	5	6	7	8	9	10	11
X16	VCCQ	DQ0	DQ0	DQ1	VCCQ	DQ1	DQ2	VCCQ			
X8	VCCQ	DQ0	DQ0	DQ1	VCCQ	DQ1	N/C	N/C			
X4	VCCQ	DQ0	DQ0	DQ1	VCCQ	DQ1	N/C	N/C			

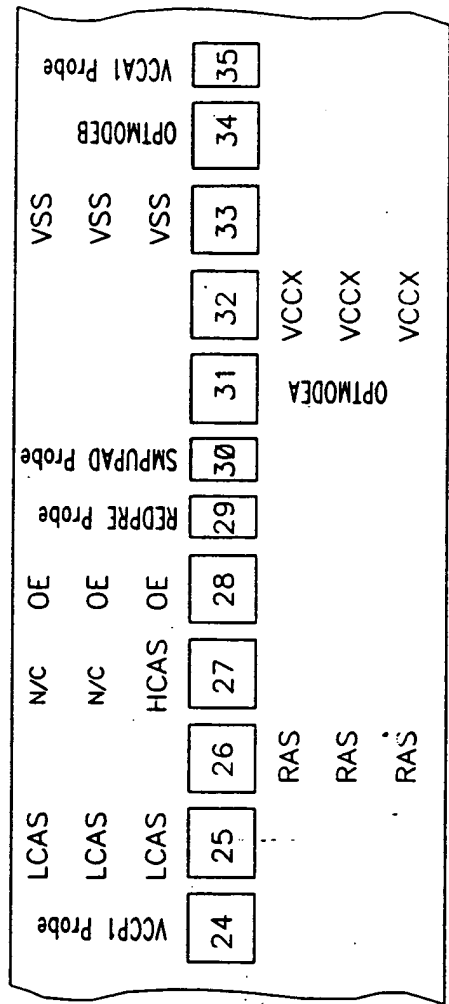
TO FIG. 31A2

FIG. 31A1

N/C	N/C	VSSQ	VSSQ	VSS	DVC2_L Probe	AVC2_L Probe	NCSV	VCC1 Probe
12	13	14	15	16	17	18	19	20
VSSQ	DQ3	DQ4	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
21	22	23	24	25	26	27	28	29
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
30	31	32	33	34	35	36	37	38
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
39	40	41	42	43	44	45	46	47
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
48	49	50	51	52	53	54	55	56
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
57	58	59	60	61	62	63	64	65
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
66	67	68	69	70	71	72	73	74
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
75	76	77	78	79	80	81	82	83
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
84	85	86	87	88	89	90	91	92
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
93	94	95	96	97	98	99	100	101
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
102	103	104	105	106	107	108	109	110
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
111	112	113	114	115	116	117	118	119
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
120	121	122	123	124	125	126	127	128
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
129	130	131	132	133	134	135	136	137
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
138	139	140	141	142	143	144	145	146
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
147	148	149	150	151	152	153	154	155
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
156	157	158	159	160	161	162	163	164
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
165	166	167	168	169	170	171	172	173
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
174	175	176	177	178	179	180	181	182
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
183	184	185	186	187	188	189	190	191
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
192	193	194	195	196	197	198	199	200
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
201	202	203	204	205	206	207	208	209
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
210	211	212	213	214	215	216	217	218
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
219	220	221	222	223	224	225	226	227
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
228	229	230	231	232	233	234	235	236
N/C	N/C	N/C	VCCQ	VCCQ	VCCX	VSS	NCSV	NCSV
237	238	239	240	241	242	243	2	

FIG. 31A2

100290-2258860



TO FIG. 31B2

FIG. 31B1

11  
T00290-1258860

PRINT OF DRAWINGS  
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TO FIG. 31B1  
↓

A13	A12	A11	A10	A9
A13	A12	A11	A10	A9
A13	A12	A11	A10	A9
36	37	38	39	40
41	42	43	44	45
46				
A0	A1	A2	A3	A4
A0	A1	A2	A3	A4
A0	A1	A2	A3	A4

FIG. 31B2

\_\_\_\_\_

—

FIG. 31C1

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100290-71258860

TO FIG. 31C1

N/C	N/C	N/C	VSSQ	N/C	N/C	VSSQ	VBB
N/C	DQ6	N/C	VSSQ	N/C	N/C	VSSQ	VBB
VSSQ	DQ14	DQ13	VSSQ	DQ12	VSSQ	VBB	
60	61	62	63	64	65	66	67
	DQ9	DQ10	VCCQ	DQ11	VCCQ	VBB	
	DQ5	N/C	VCCQ	N/C	VCCQ	VBB	
	DQ3	N/C	VCCQ	N/C	VCCQ	VBB	

FIG. 31C2

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TO  
FIG.  
32A2

100290-1258860

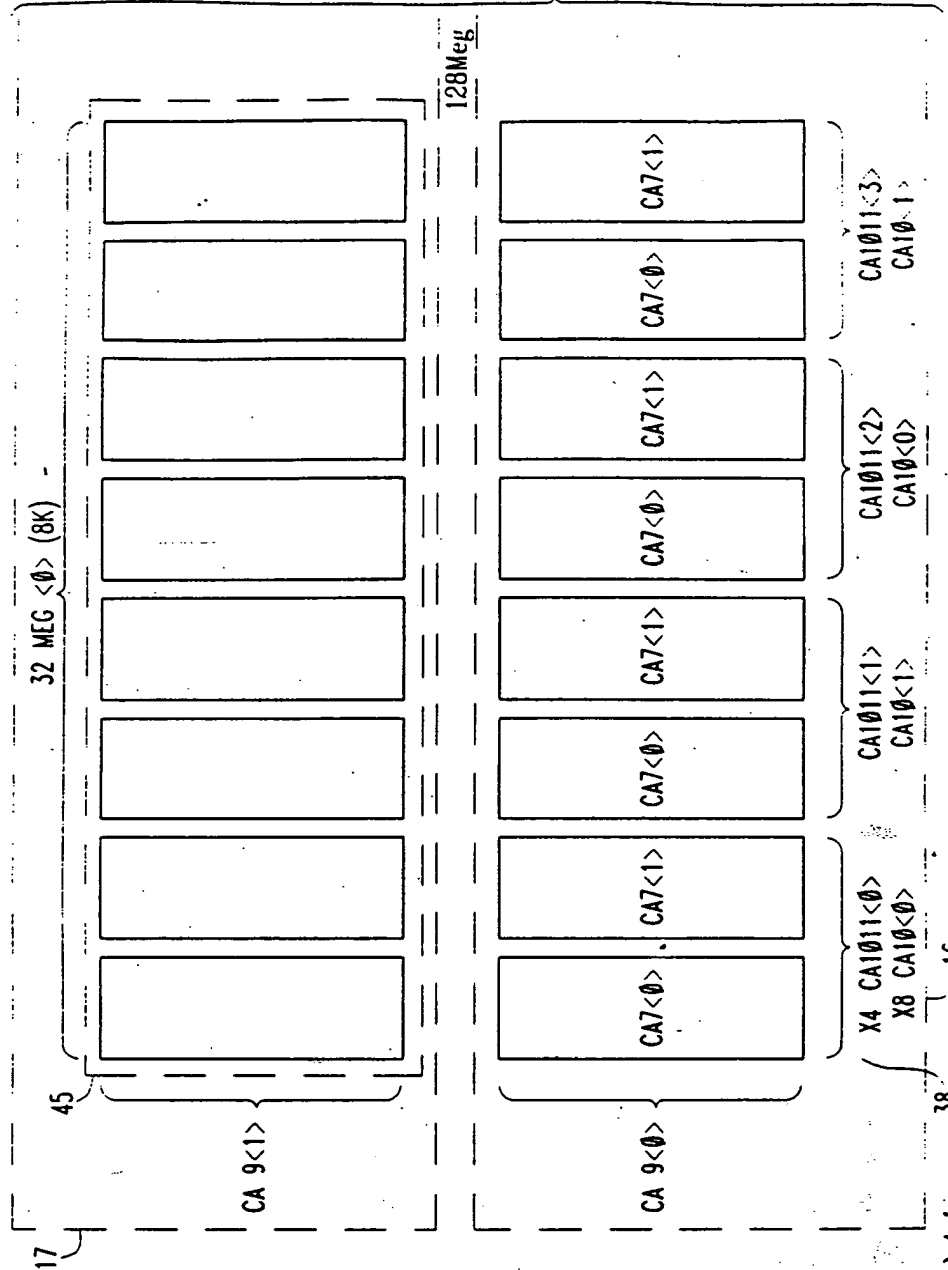


FIG. 32A1

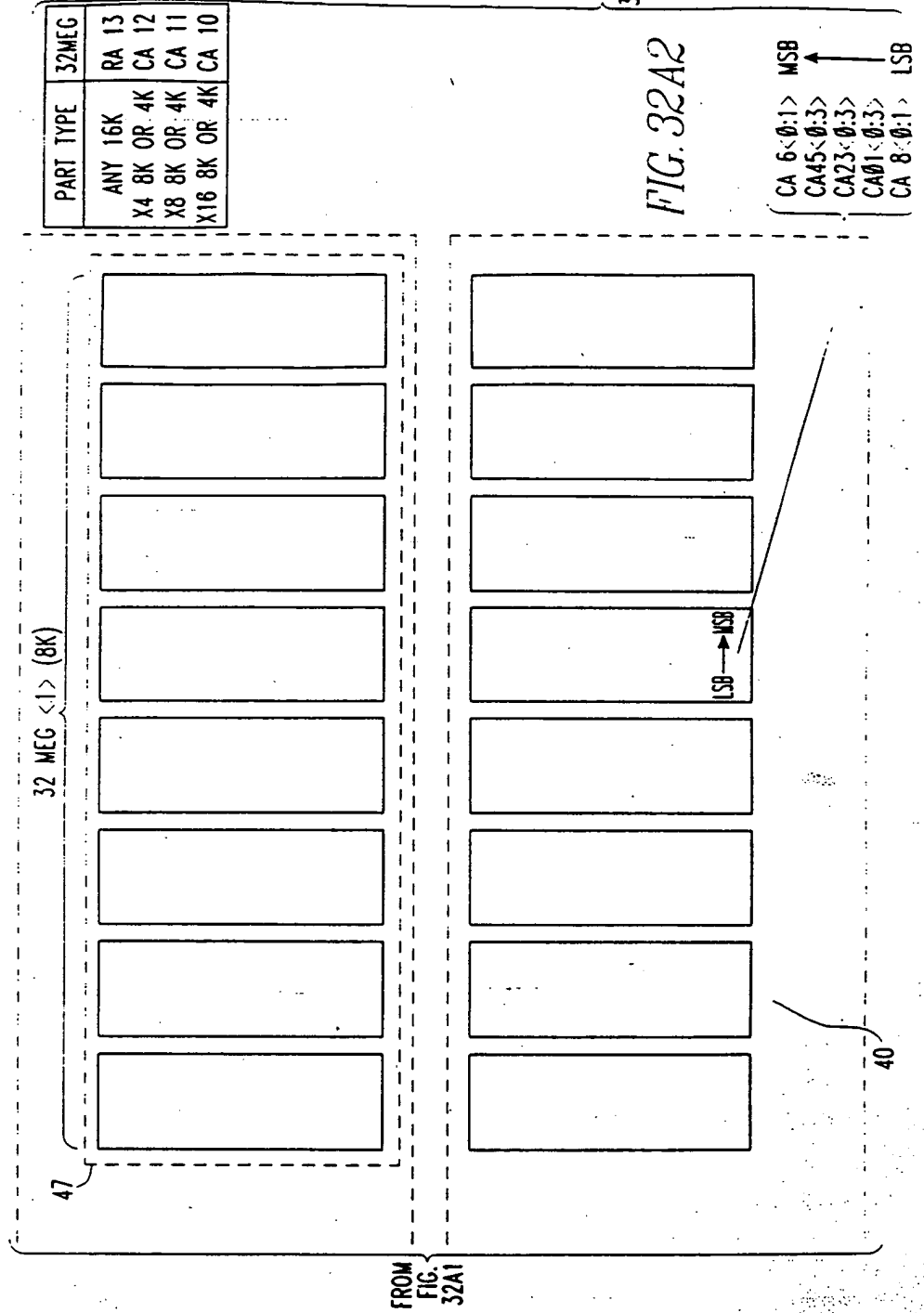
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10  
FIG.  
32A3

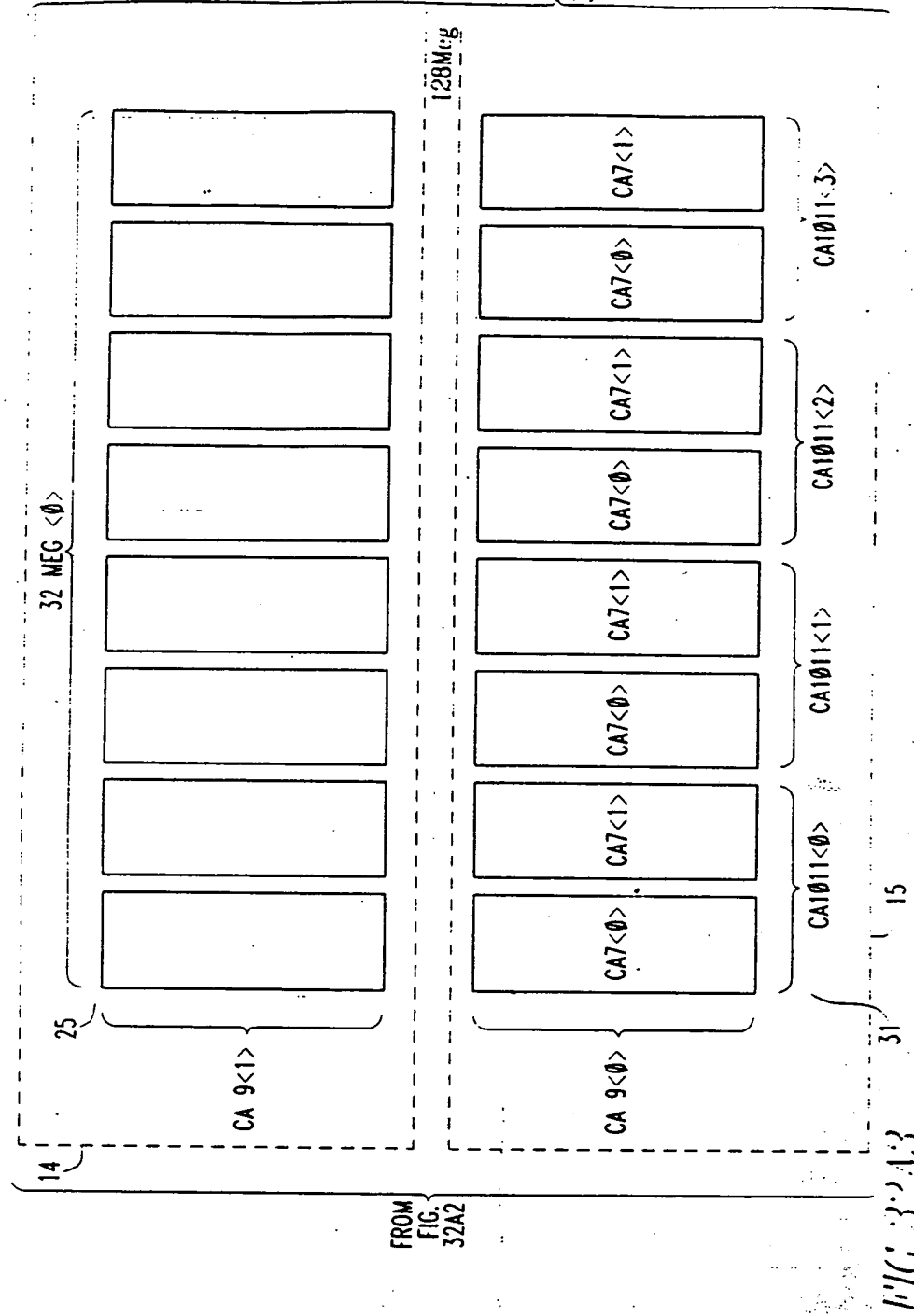
11  
T00290-1258860



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TO  
FIG.  
32A4

100290-1258860



100290-1258860

11  
T00290-1258860

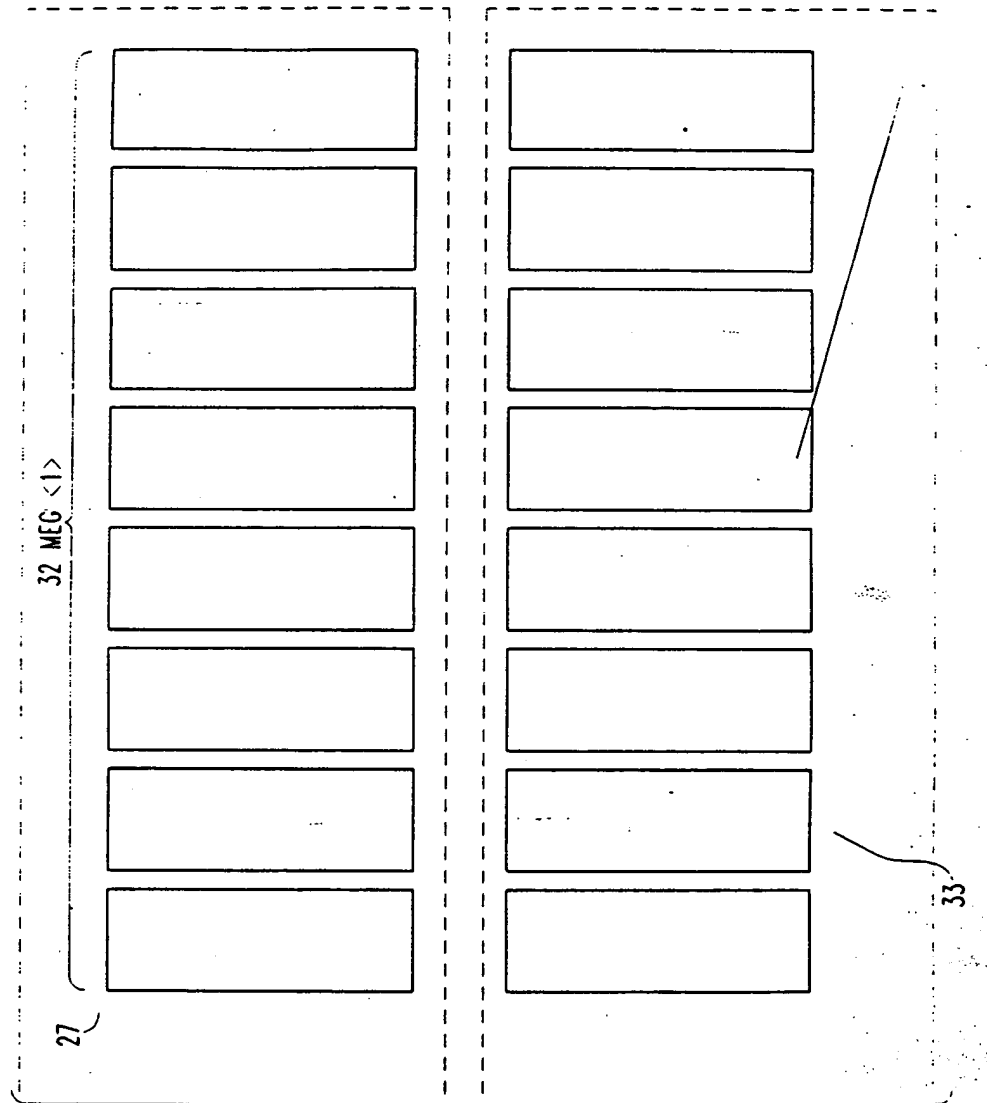


FIG. 32A4

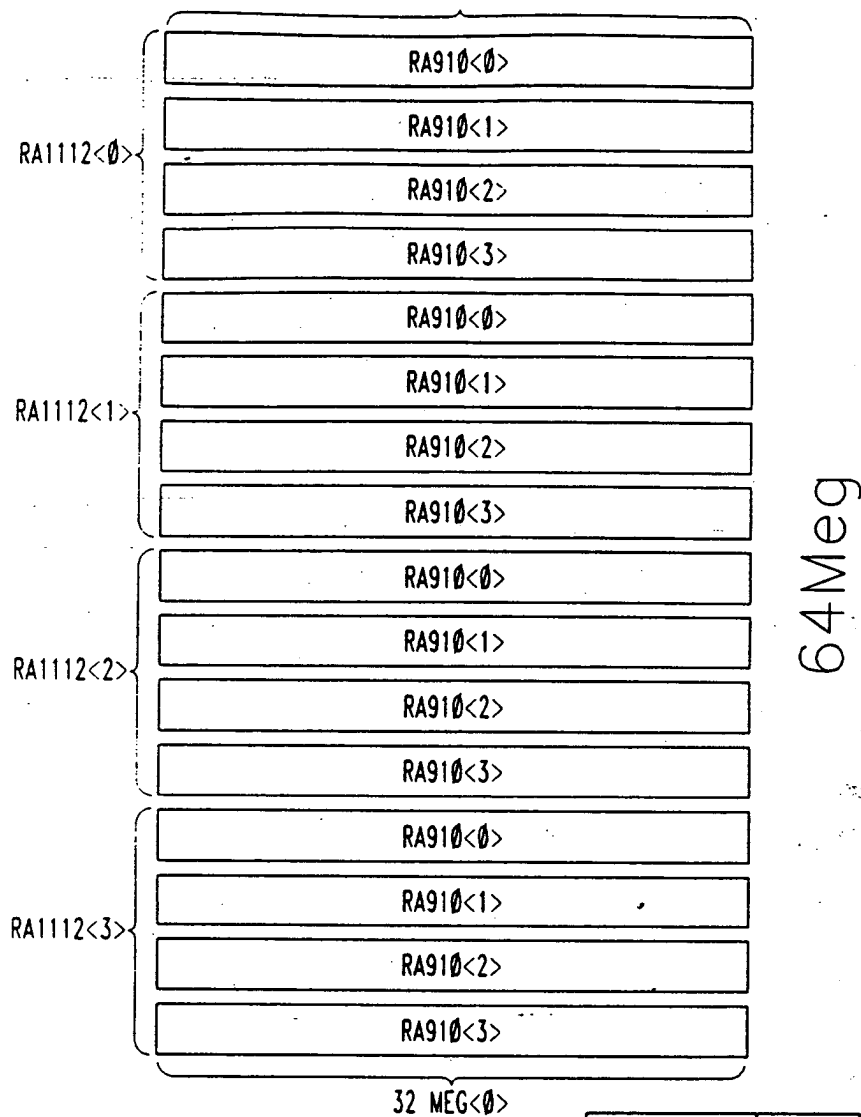


FIG. 32B1

PART TYPE	32MEG
ANY 16K	RA_13
X4 8K OR 4K	CA_12
X8 8K OR 4K	CA_11
X16 8K OR 4K	CA_10

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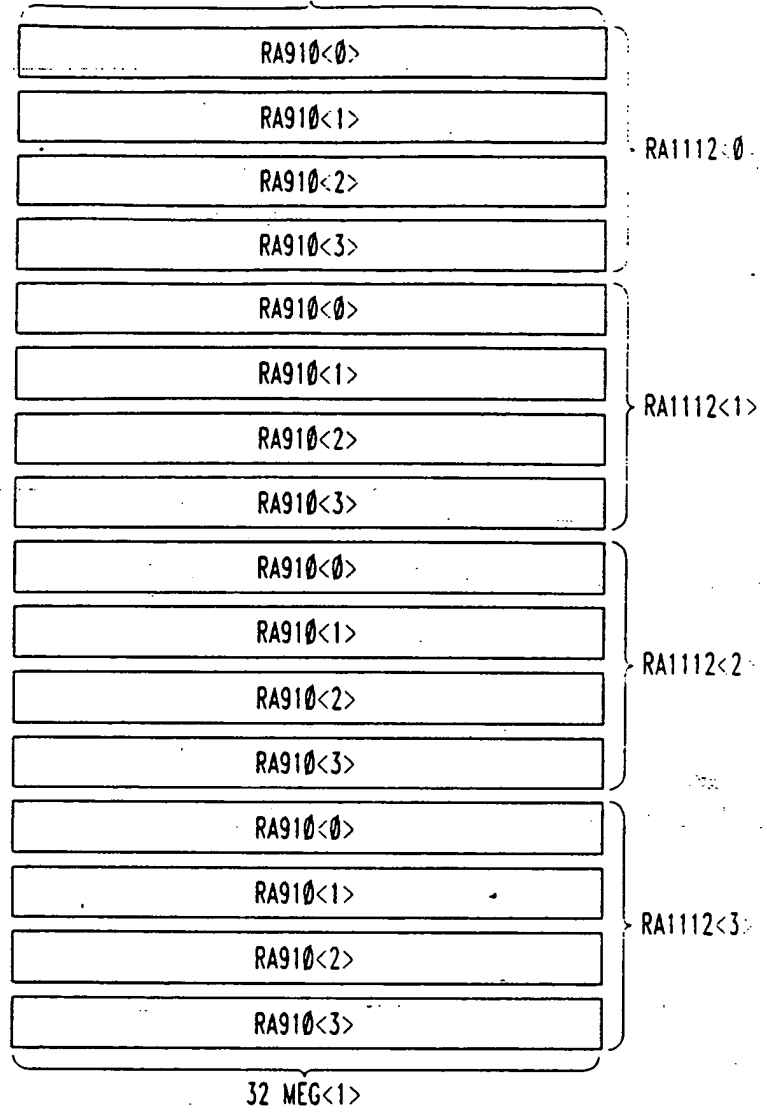
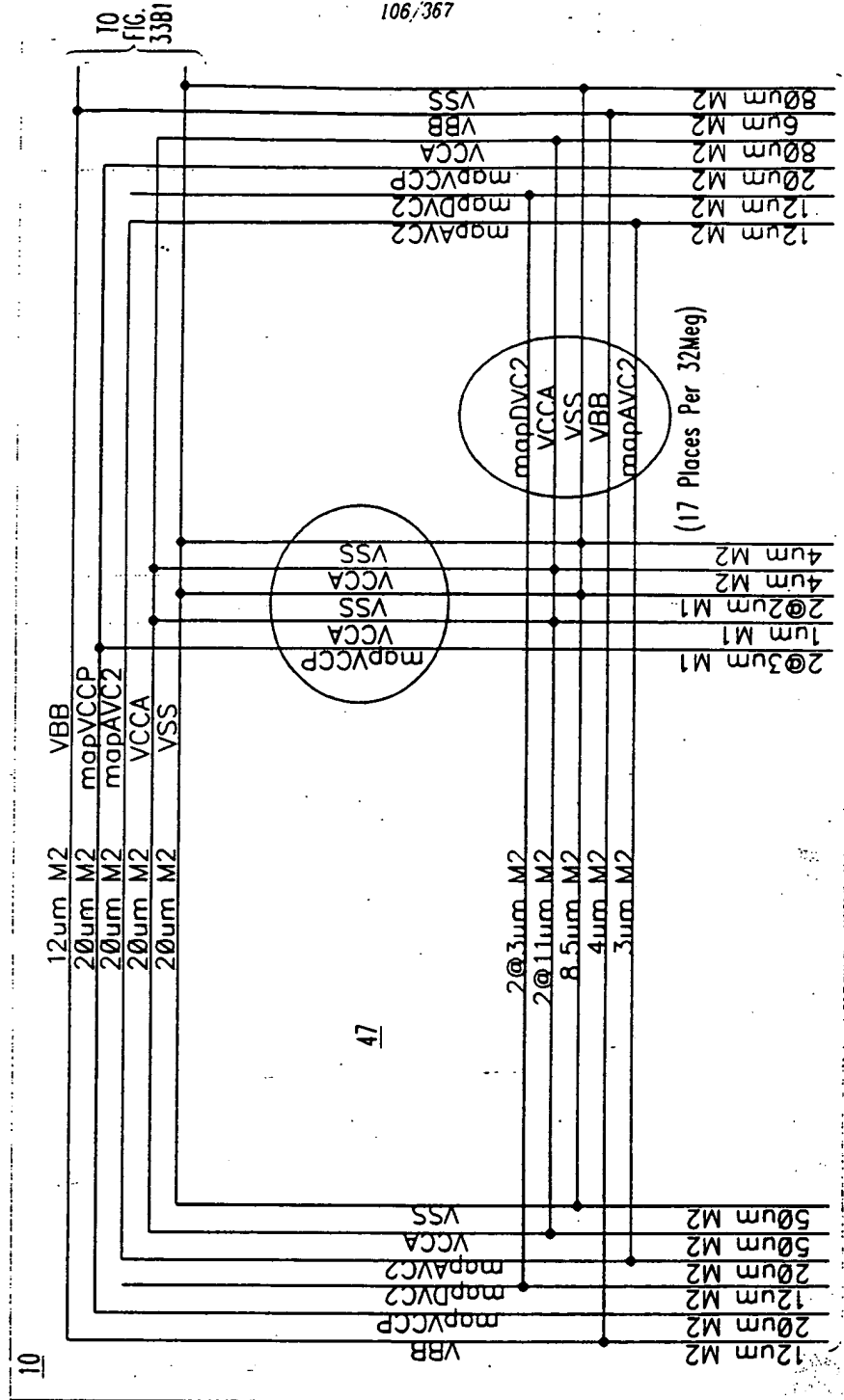


FIG. 32B2

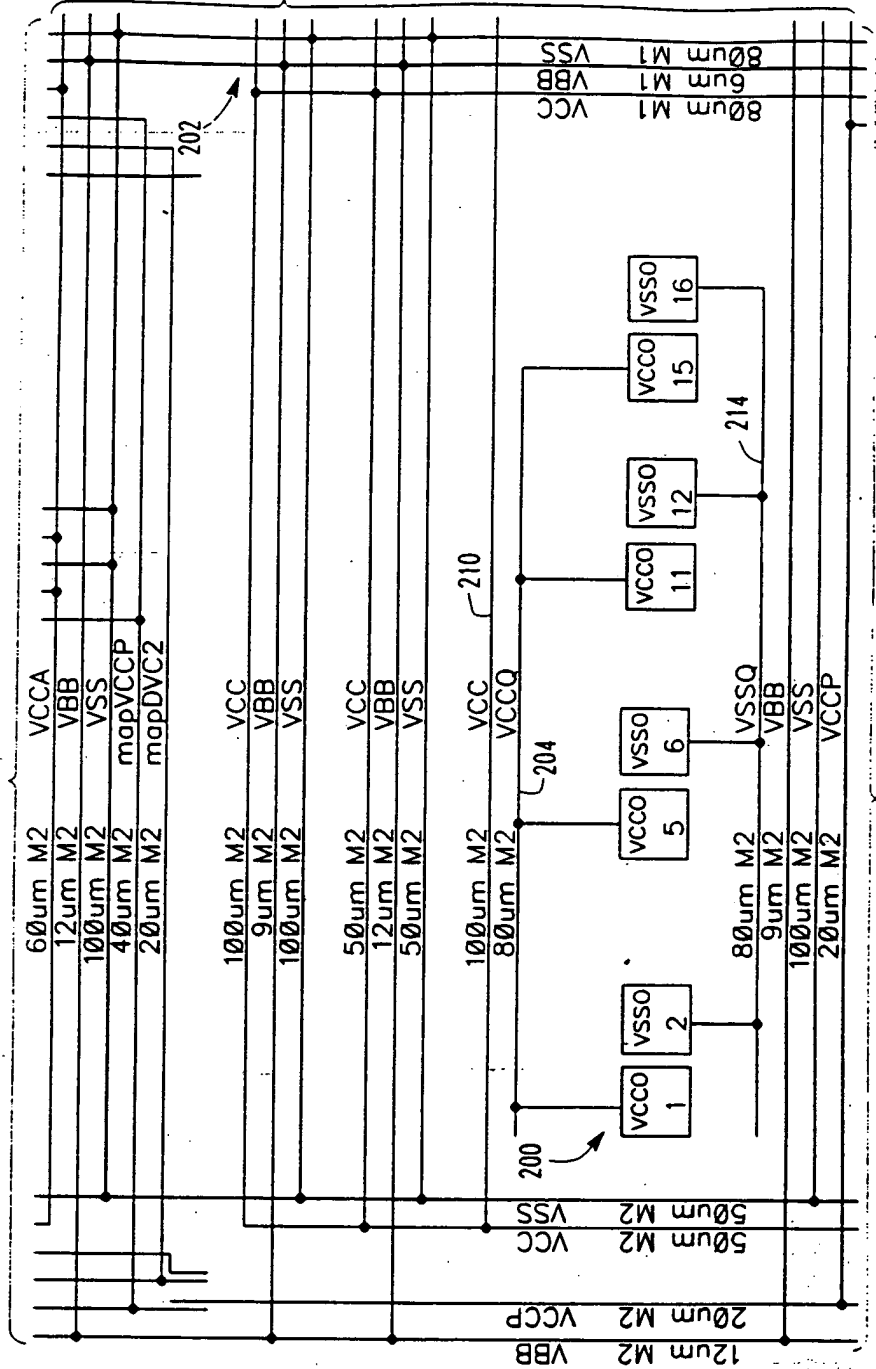


TO  
FIG.  
33B3

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100296-1258860

FROM FIG. 33A1

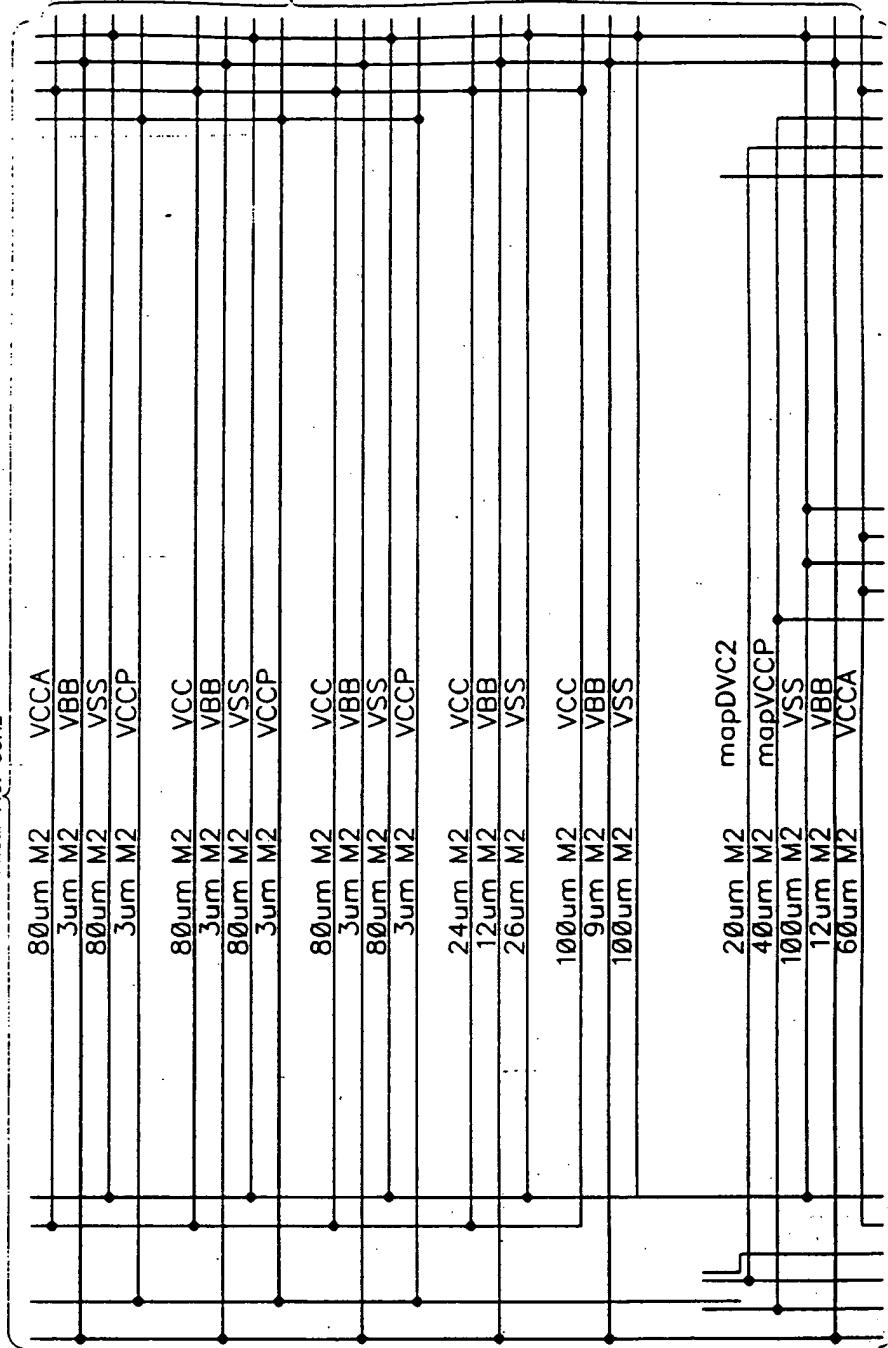


TO FIG. 33A3

FIG. 33A2

**SECRET**

FROM FIG. 33A2



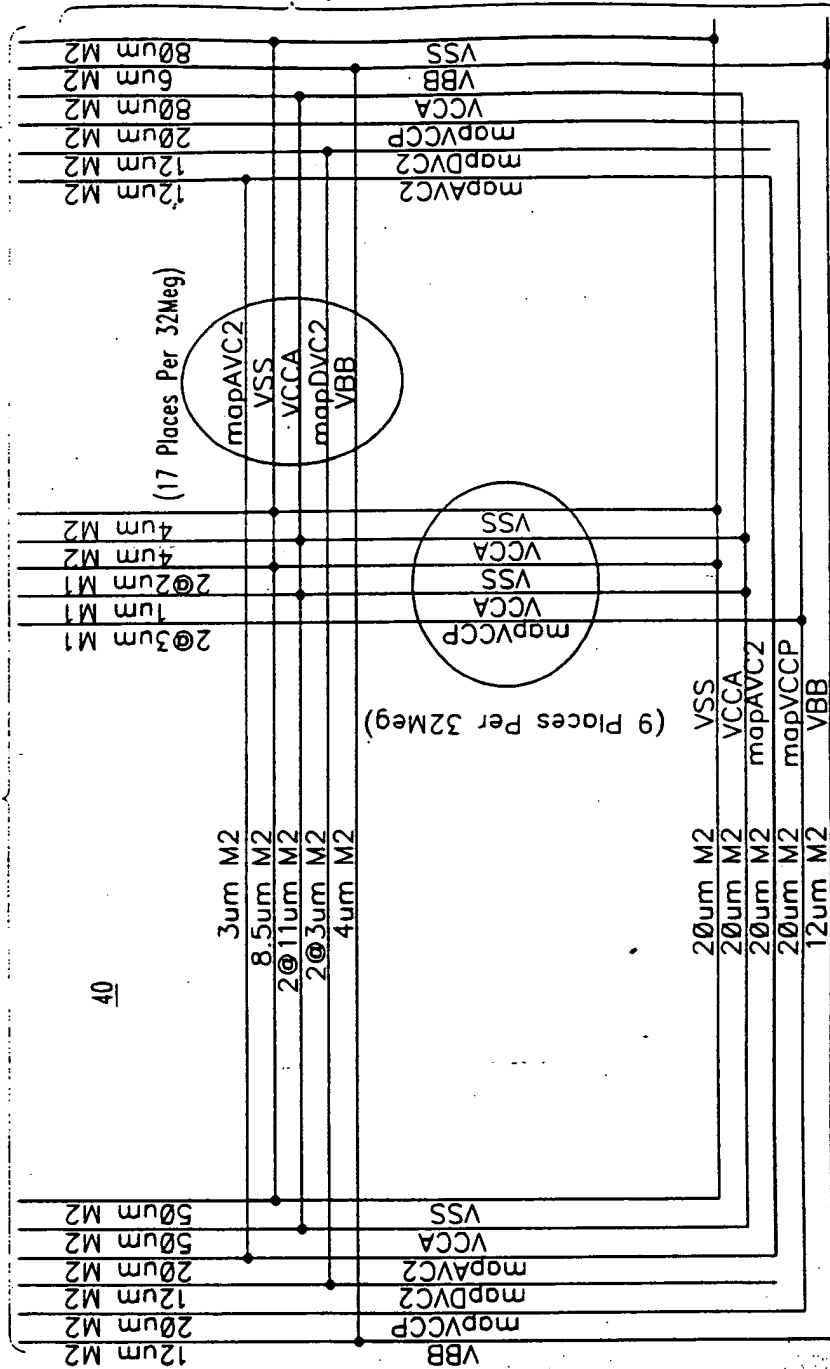
TO FIG. 33A4

1993:3313



05067

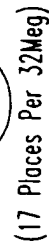
FROM FIG. 33A3



176:33A.1

10  
FIG.  
33B2

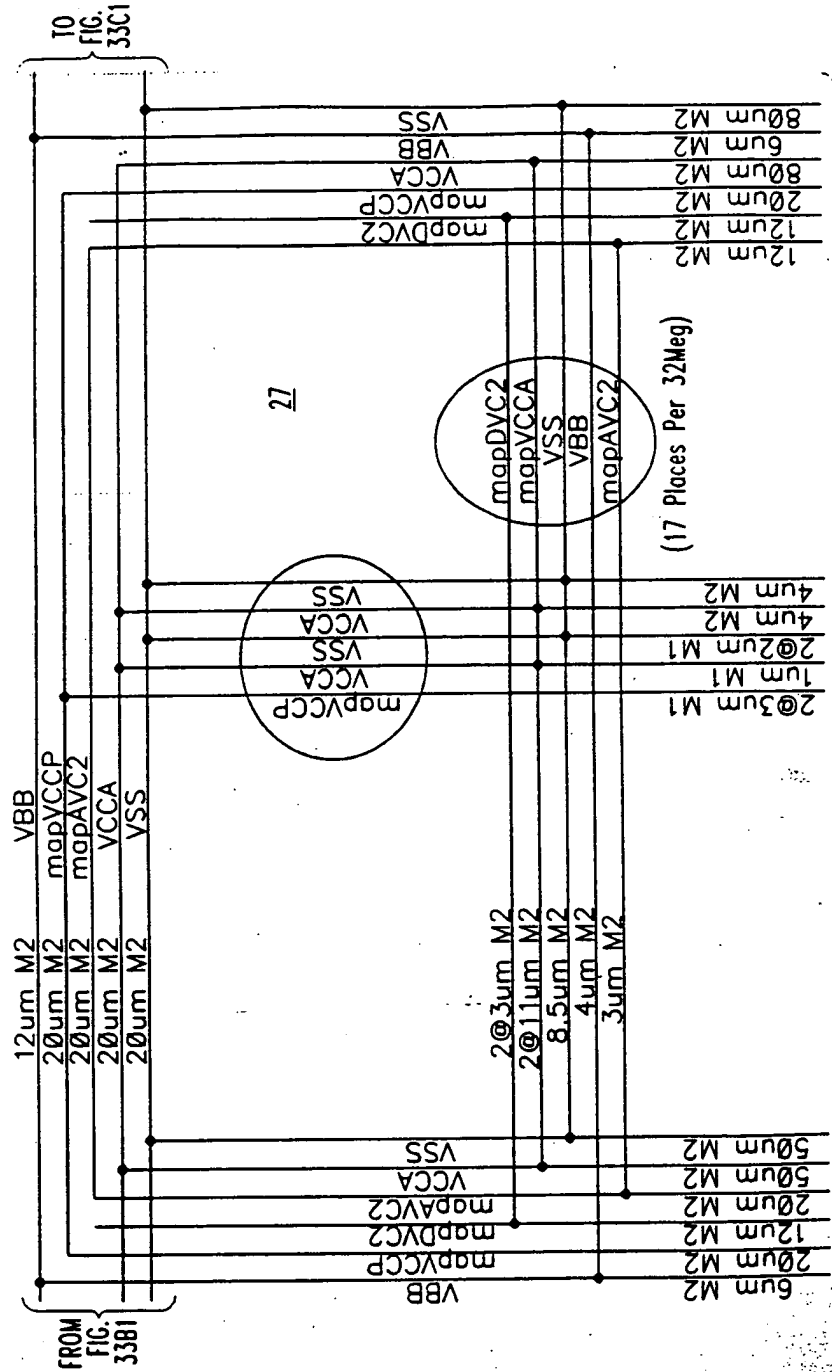
1000



11/11/11

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050827Z JUL 68



TO FIG. 33B4

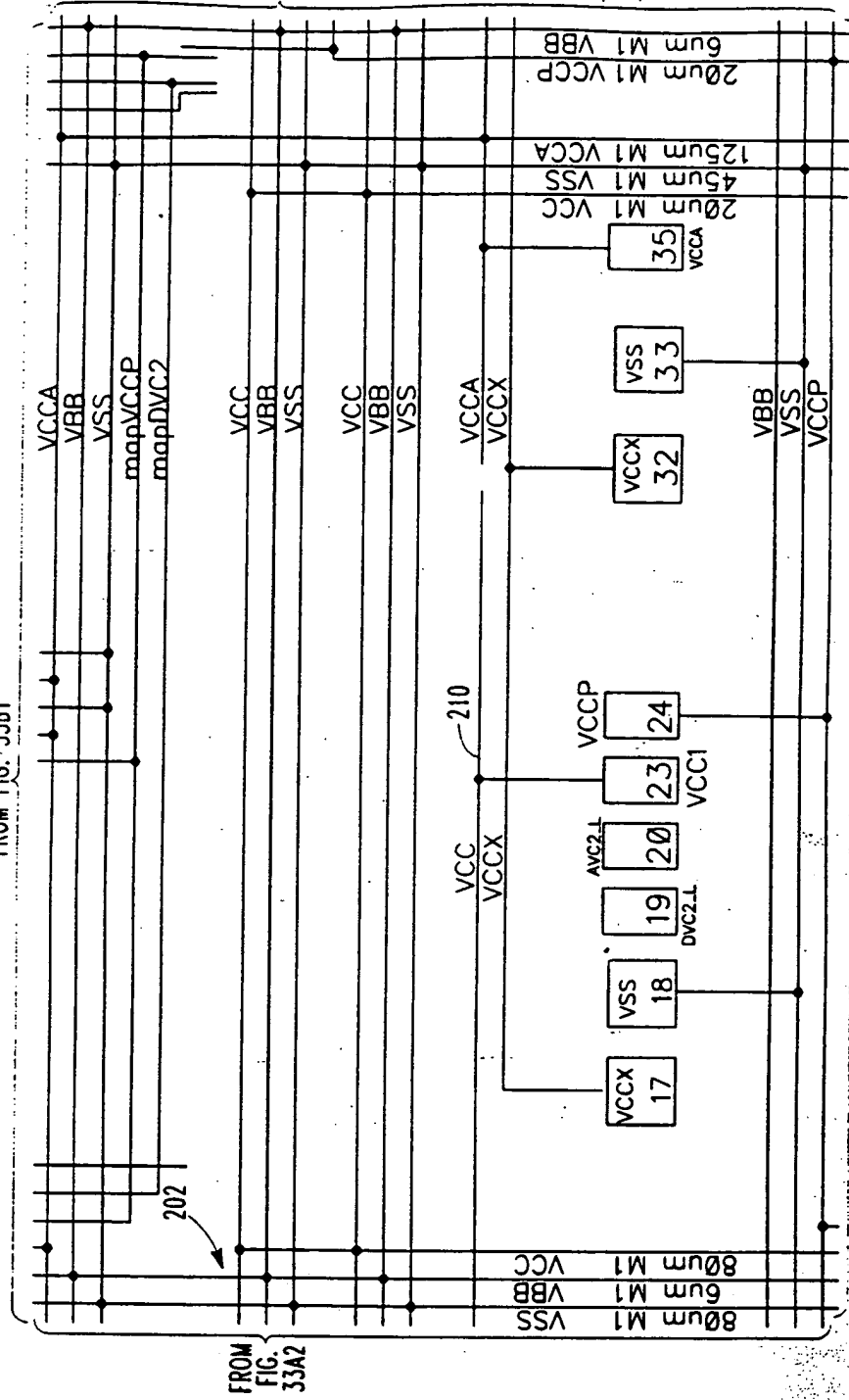
FIG. 33B2

112,367

TO  
FIG.  
3384

TO FIG. 3383

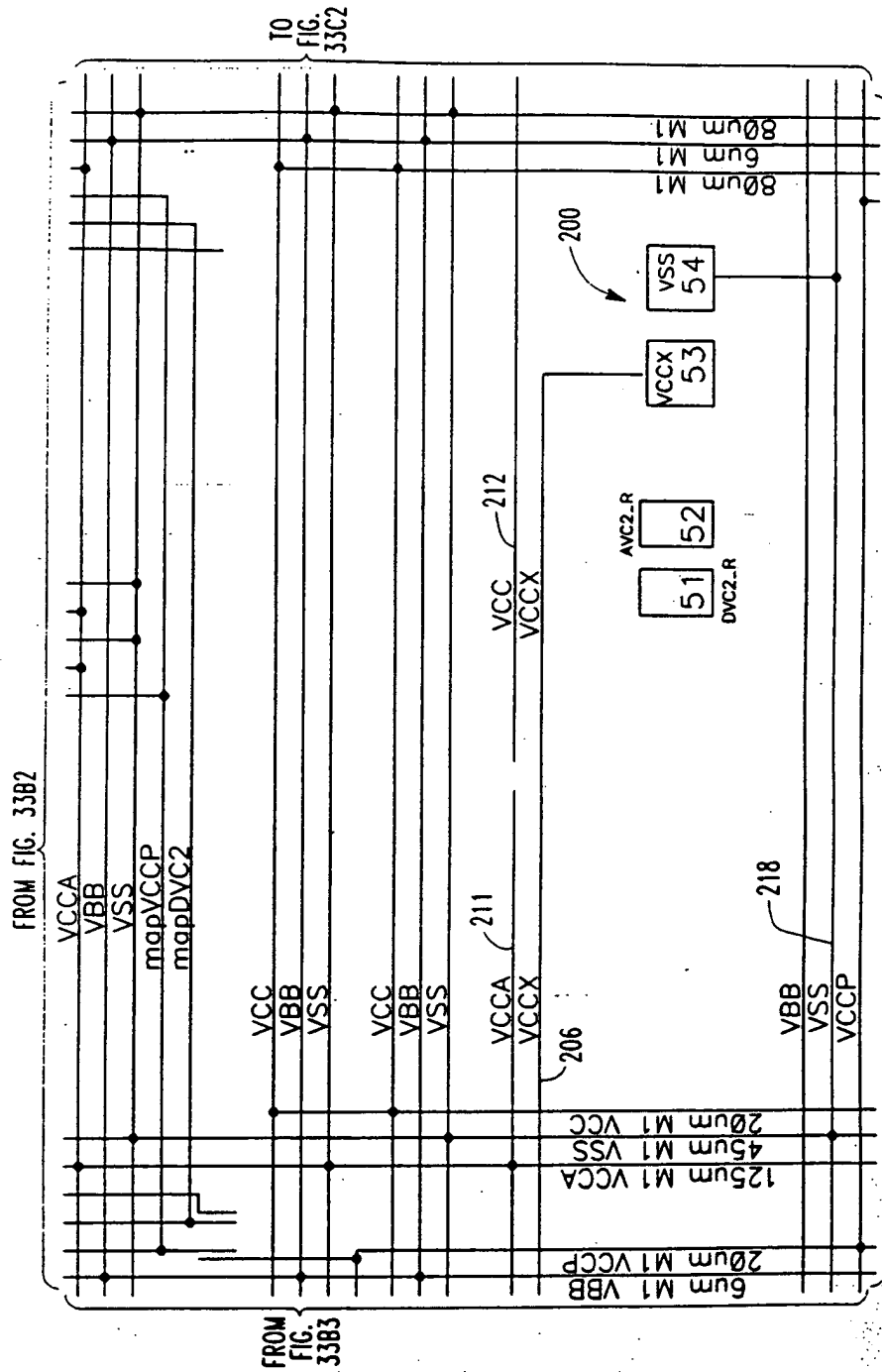
FROM FIG. 3381



TO FIG. 3383

FIG. 3383

0508521-0101011



TO FIG. 3386

FILE 33131

FROM  
FIG.  
33A3

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176:33135

三

11  
T00290-1258860

FROM FIG. 33B4

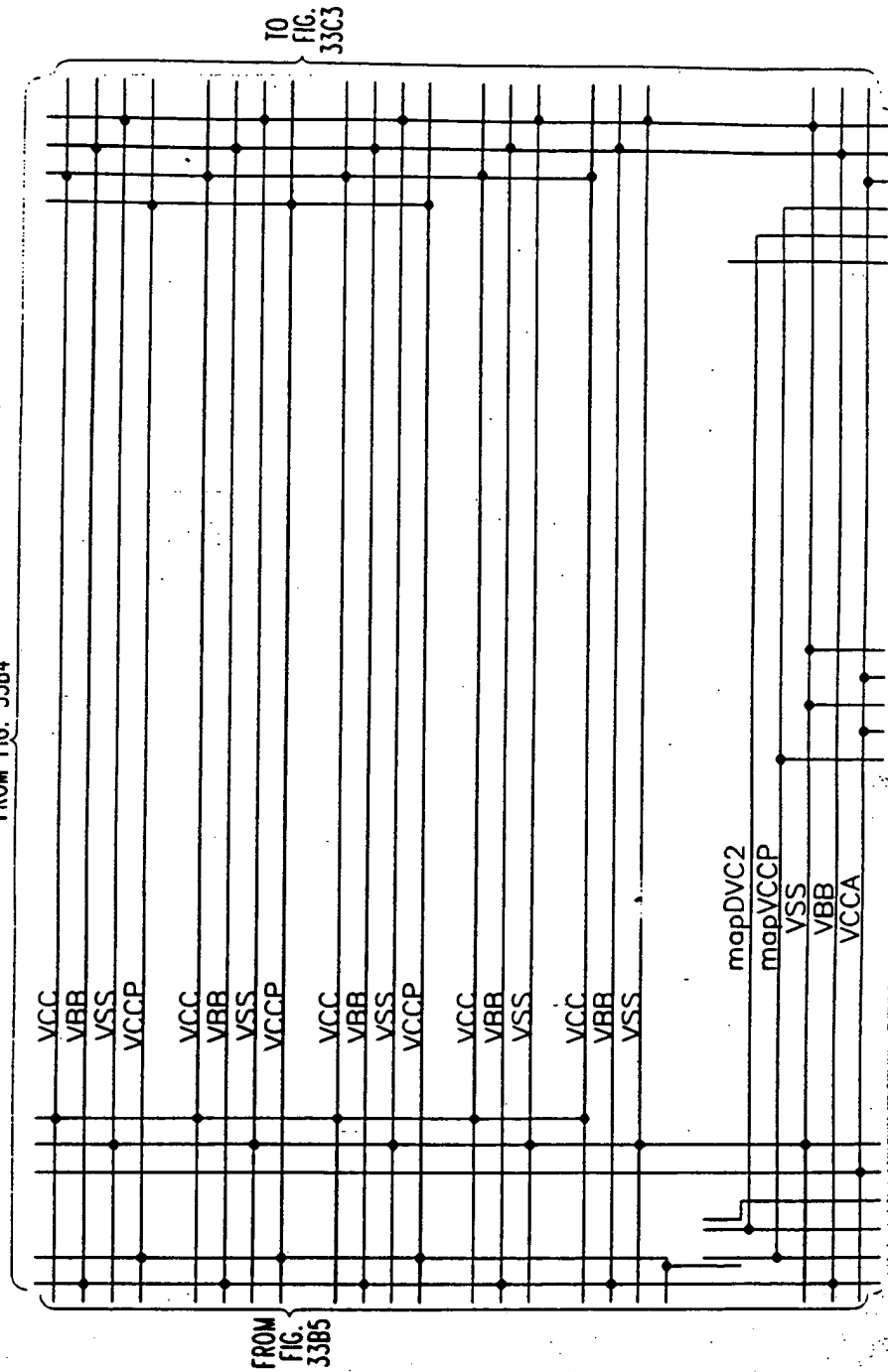
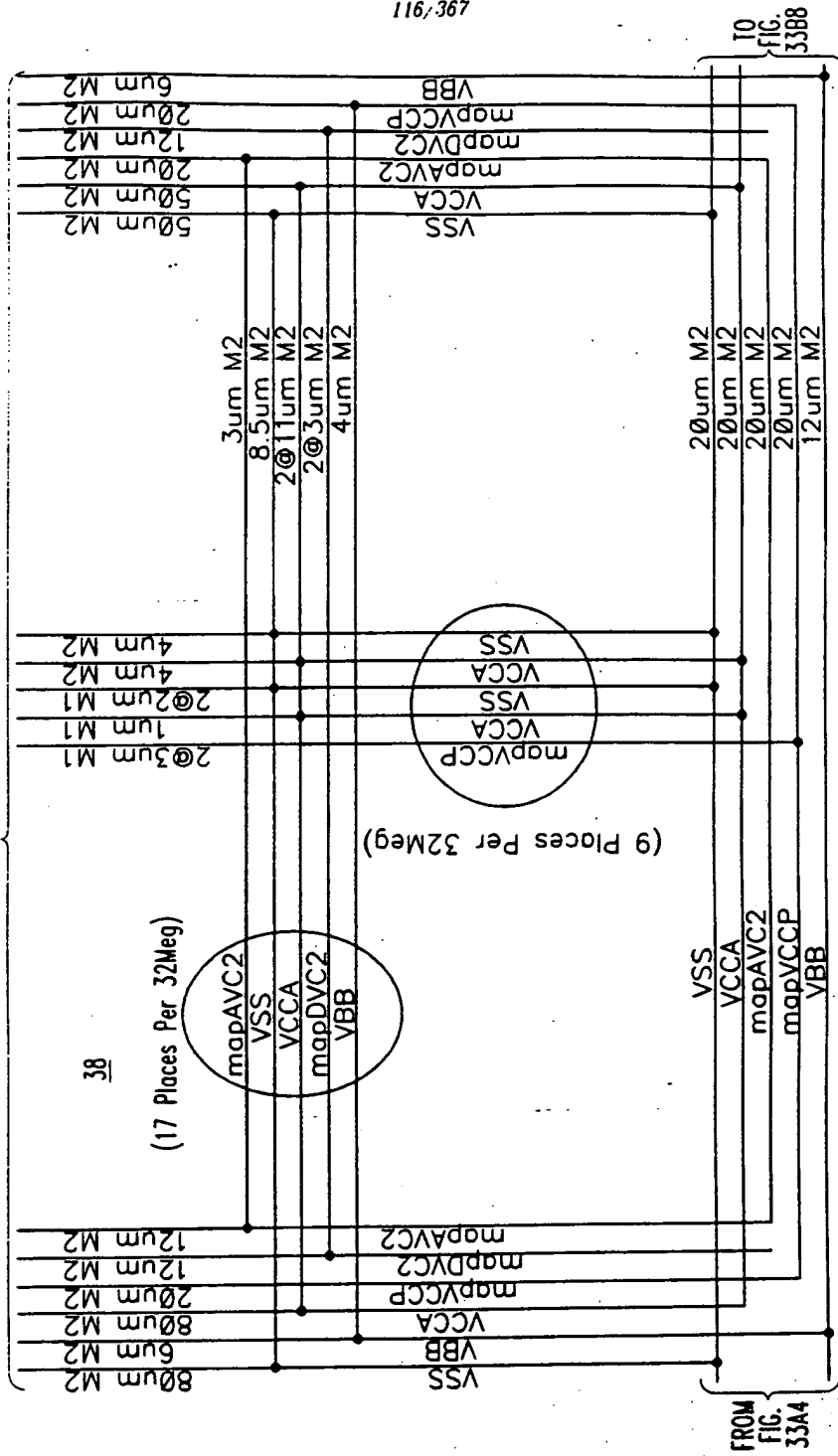


FIG. 33B6

TO FIG. 33B8

FROM FIG. 3385



176:3337



100290-21258860

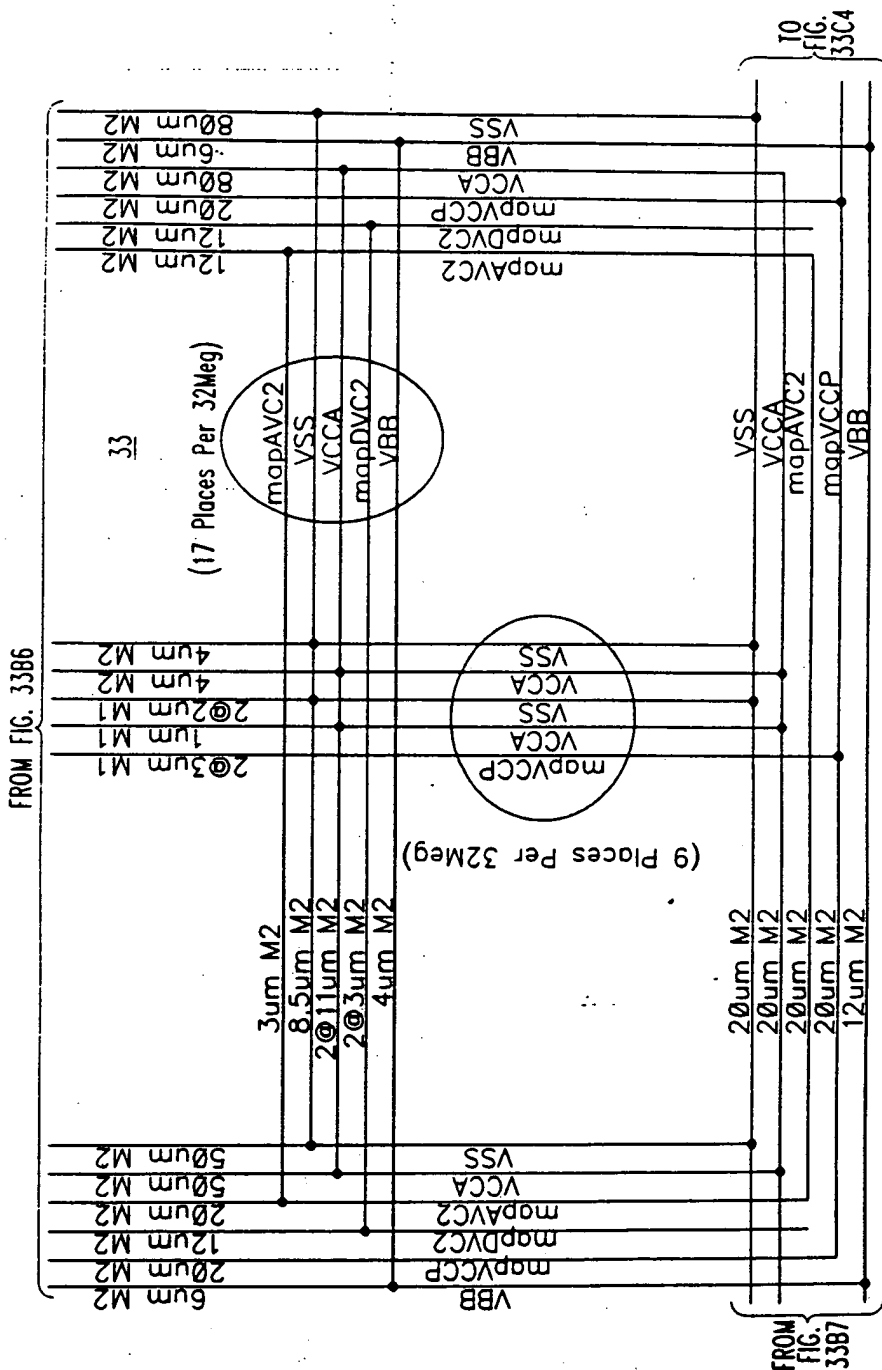


FIG. 33B8

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100290-1258860

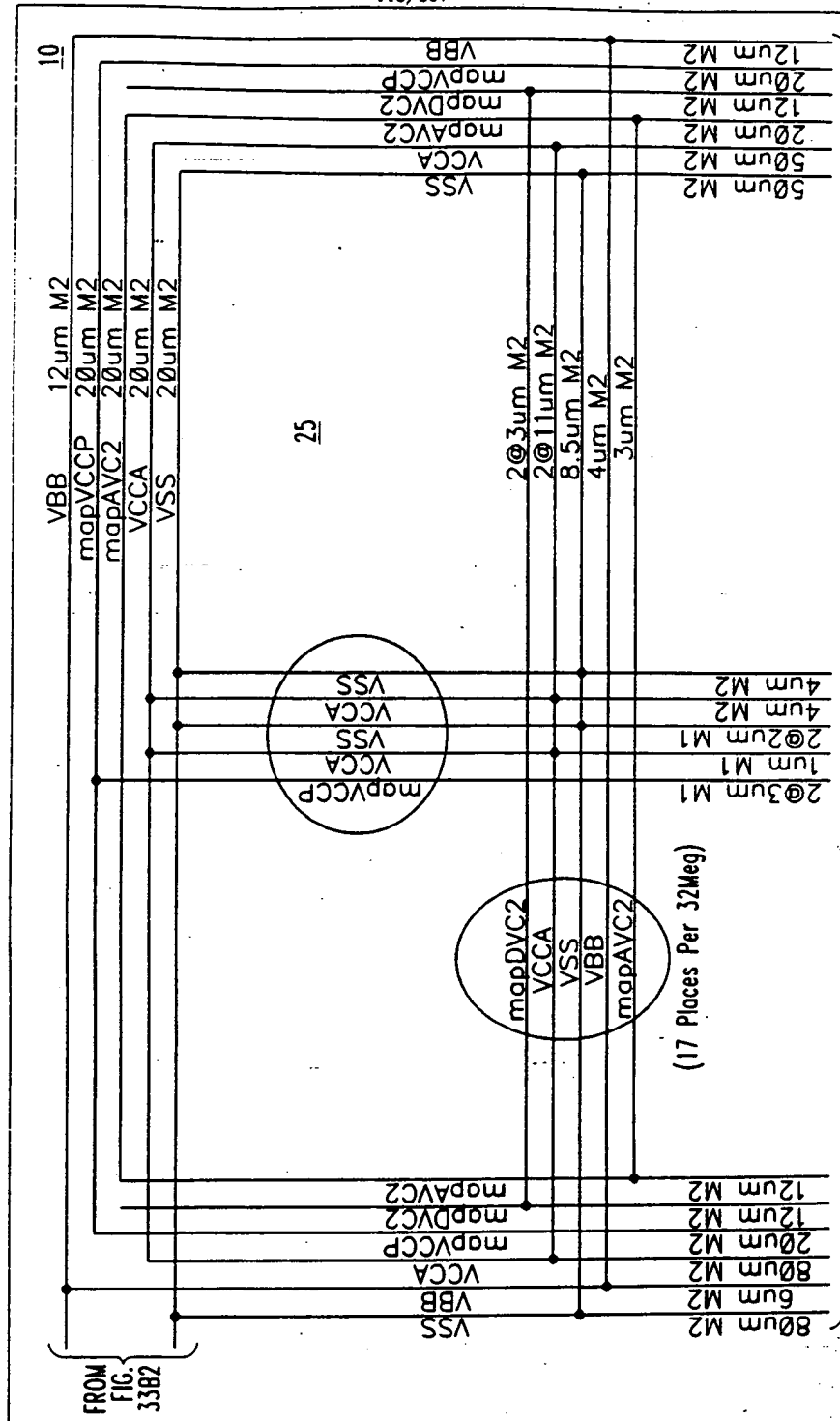
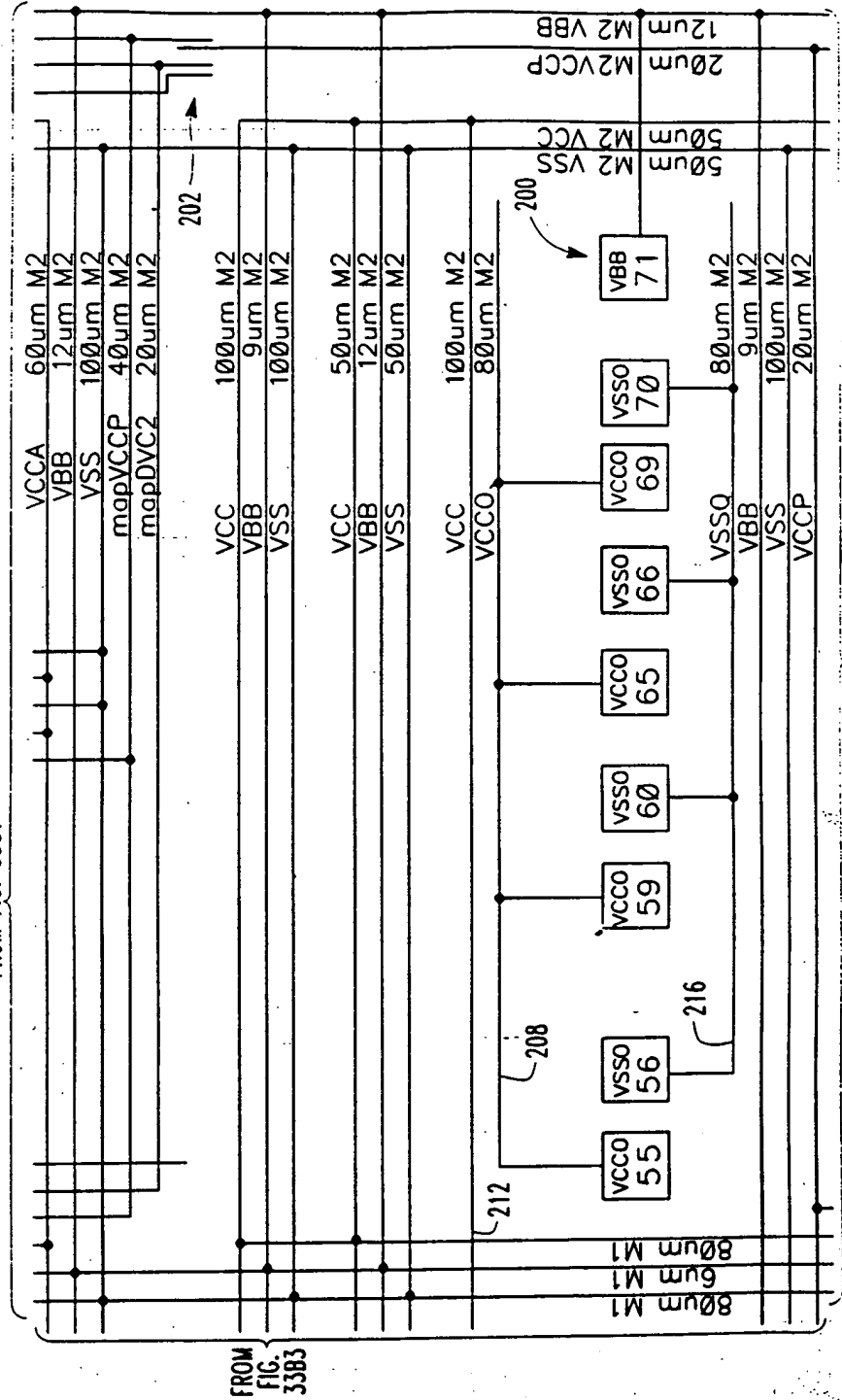


FIG. 33C1

TO FIG. 33C2

0566711

FROM FIG. 33C1

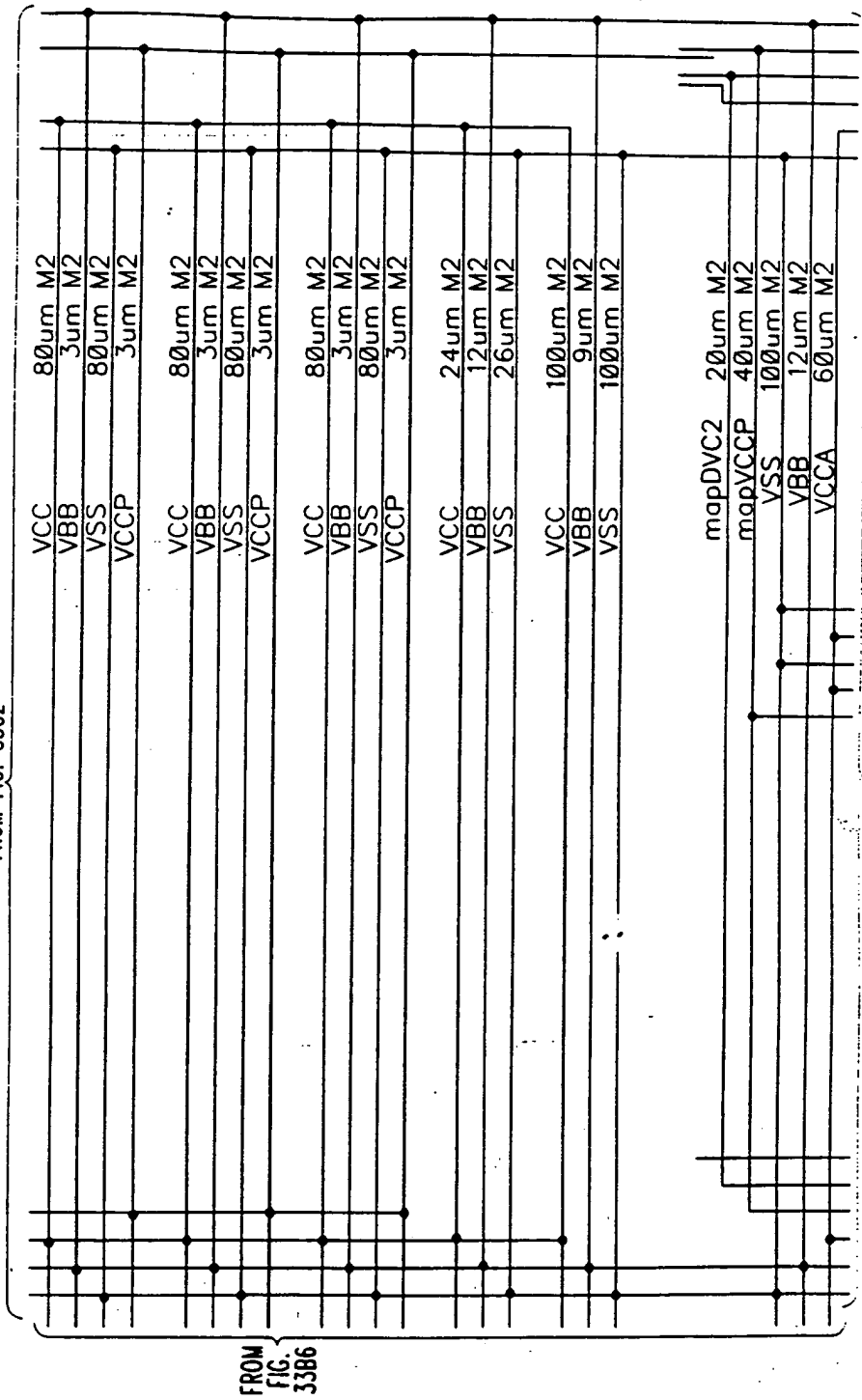


10 FIG. 33C3

FIG. 33C2

100290-1258860

FROM FIG. 33C2

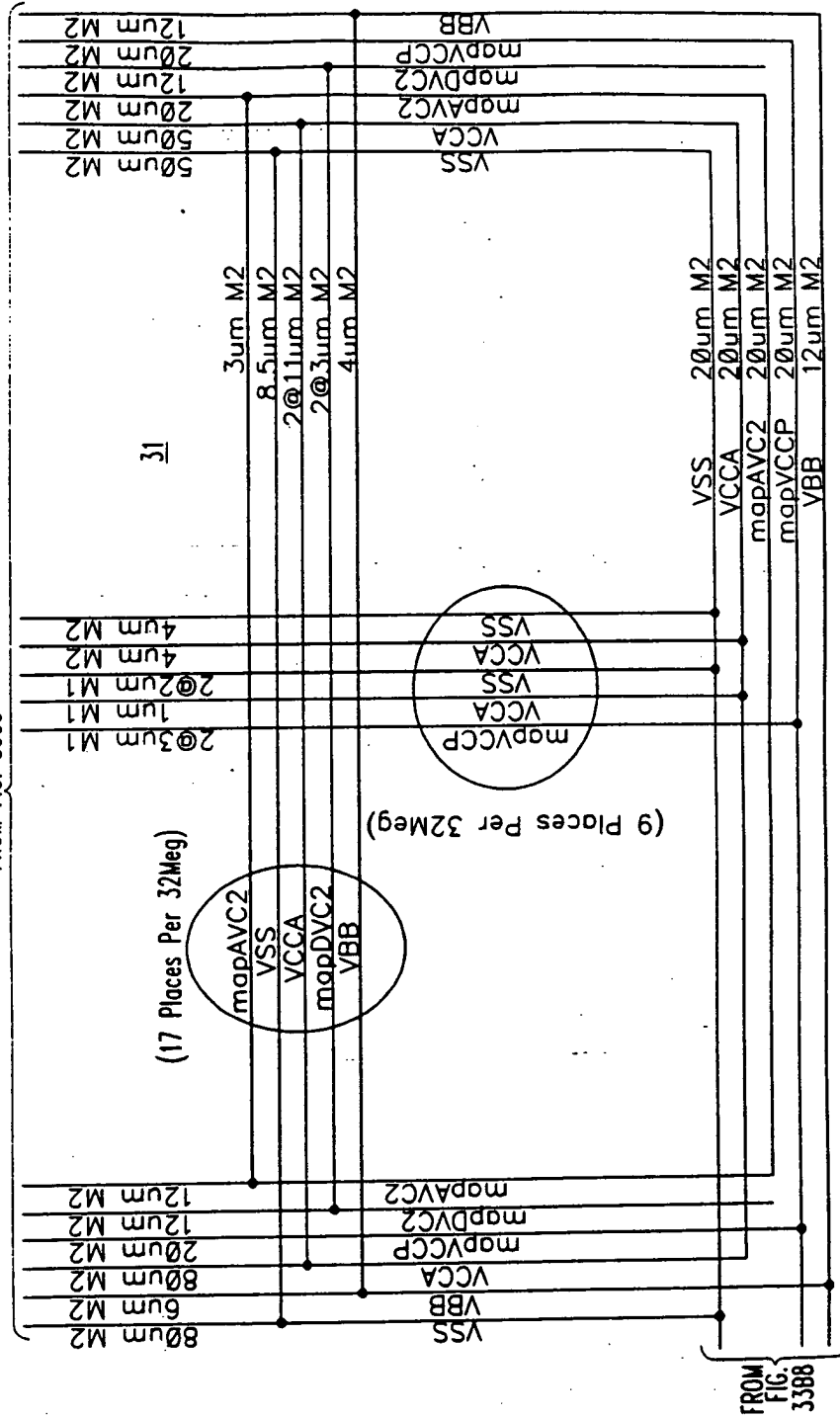


TO FIG. 33C4

1/16 33C3

058517-101001

FROM FIG. 33C3



17/6/33

122/367

10

45

100290-71258860

200

DVC2  
GENERATOR 500

□□□□□□□□□□ □□□□□□□□□□

VCCP  
PUMP CIRCUITS 402

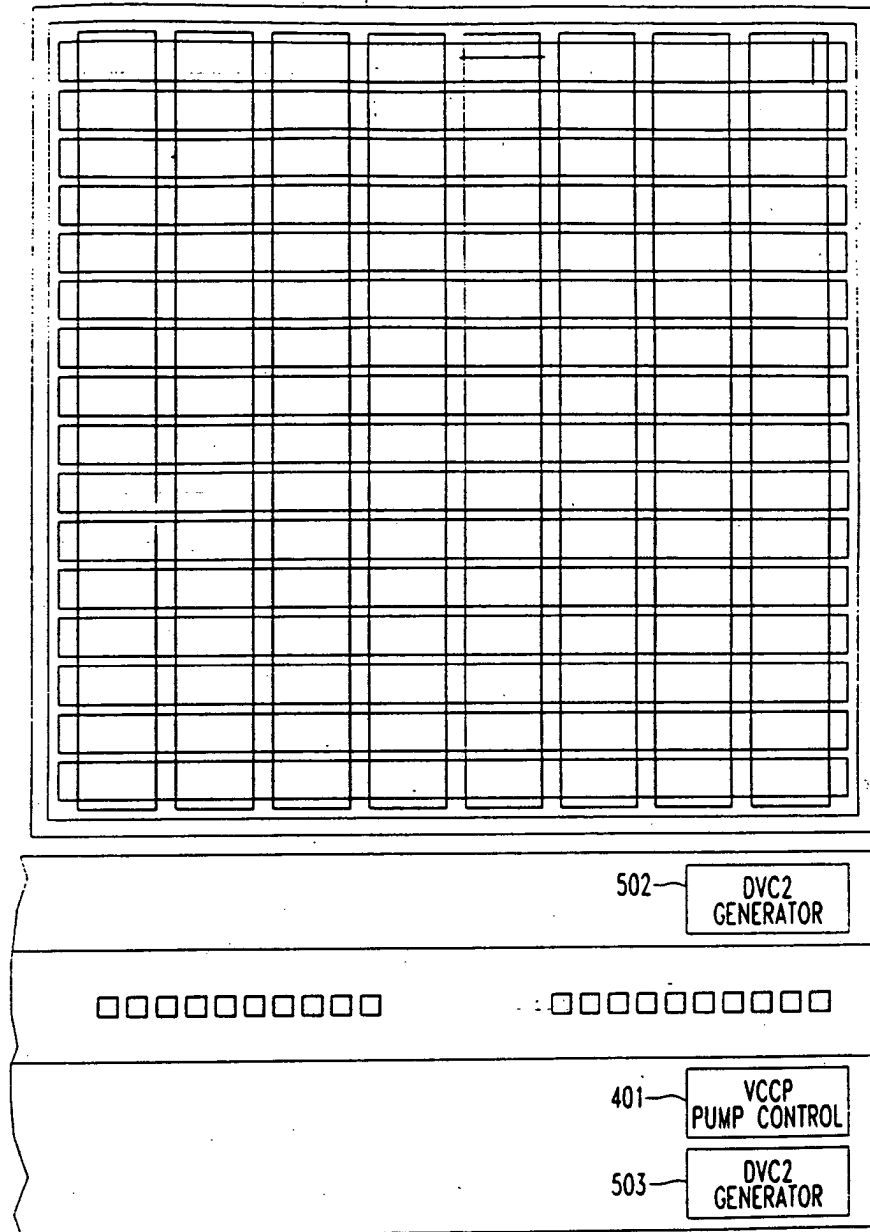
DVC2  
GENERATOR 501

TO  
FIG.  
3303

TO FIG. 3302

FIG. 33D1

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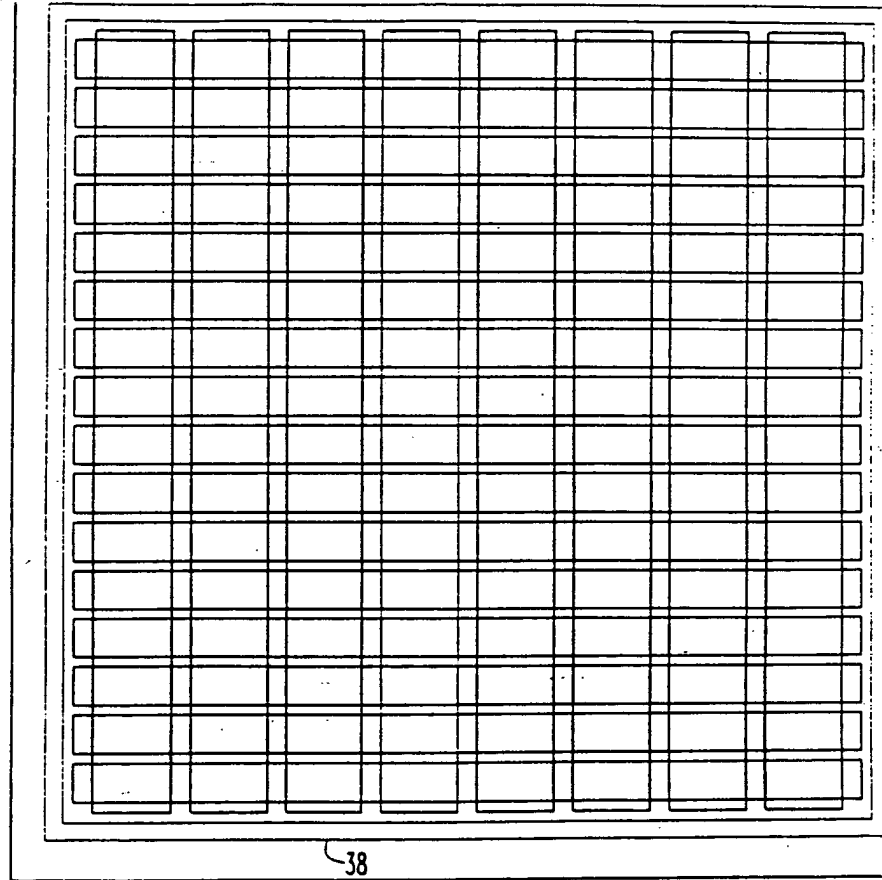
TO  
FIG.  
33D4

FIG. 33D2

09885217-062001

TO  
FIG.  
33D1

(SEE FIG. 33E1)



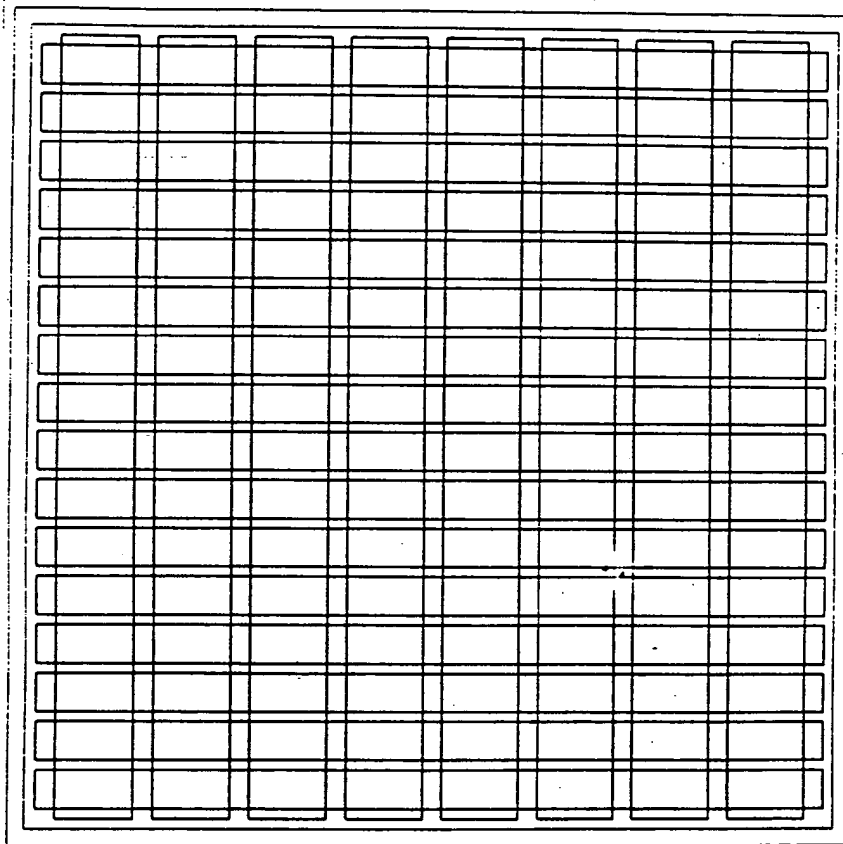
TO FIG. 33D4

FIG. 33D3



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TO  
FIG.  
33D2



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TO FIG. 33D3

FIG. 33D4

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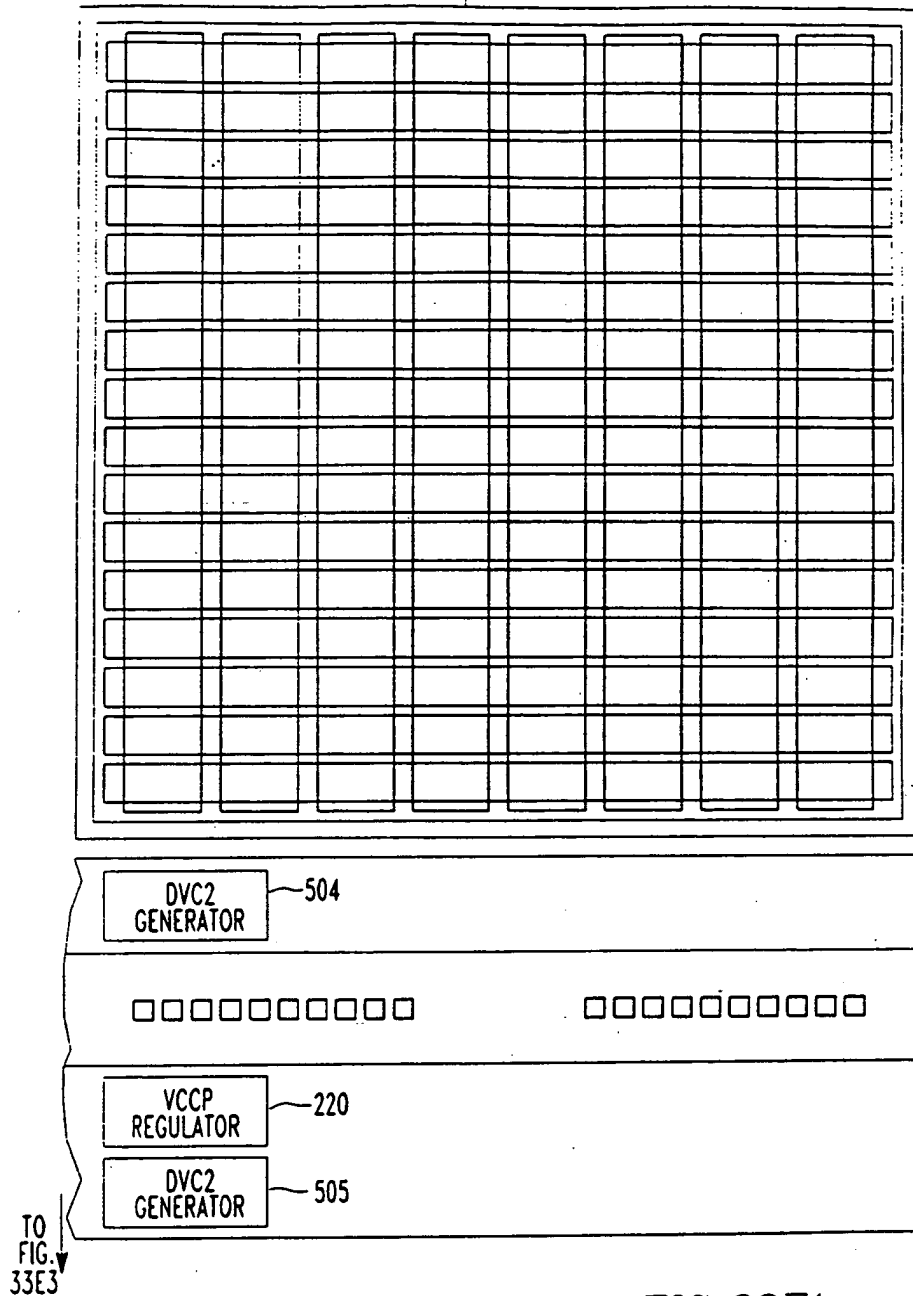


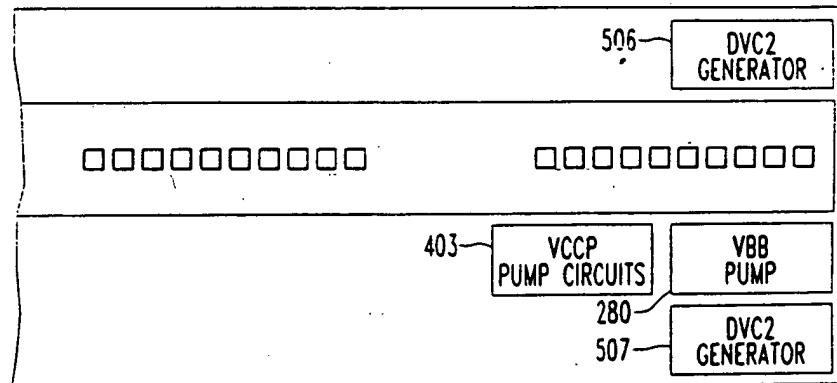
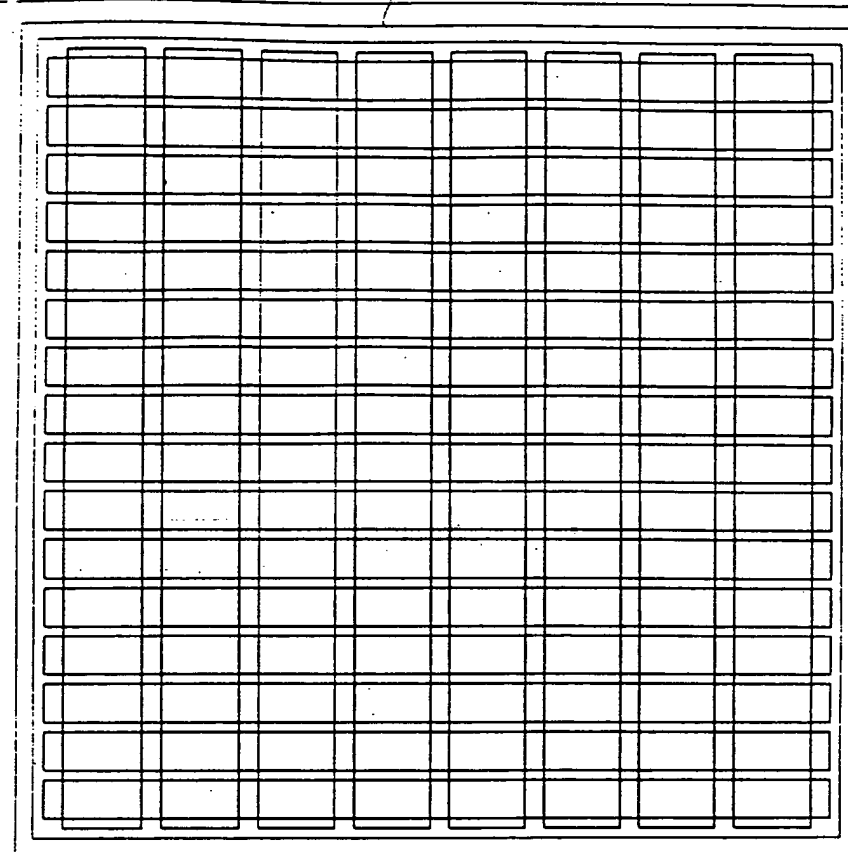
FIG. 33E1

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TO FIG. 33E1

27

-10



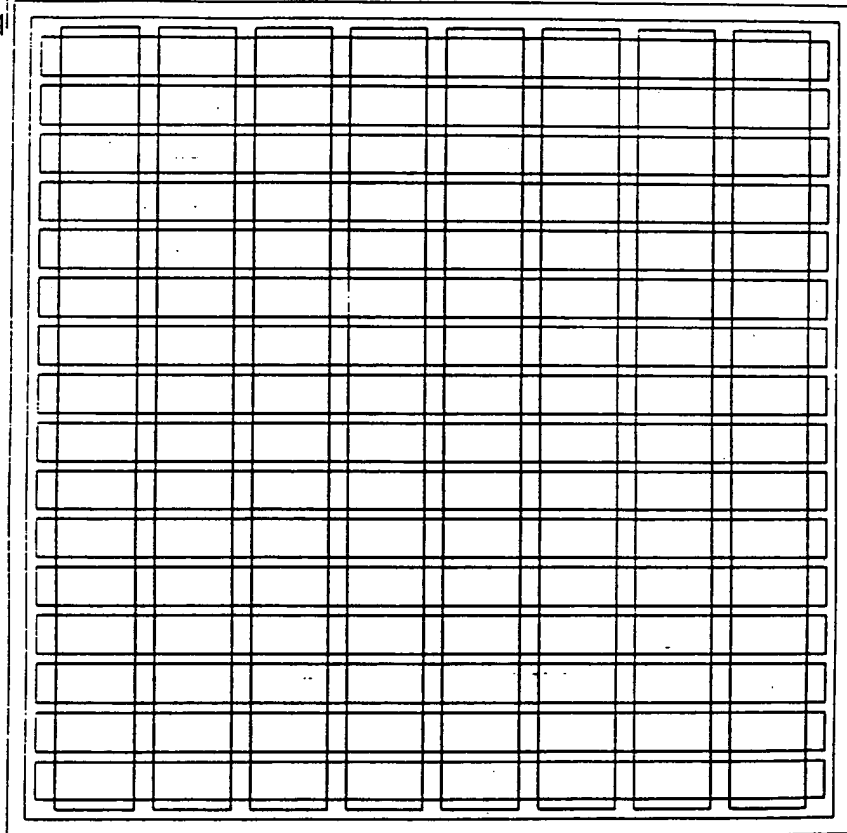
200

TO  
FIG.  
33E4

FIG. 33E2.

09885217-052001

TO  
FIG.  
33E11



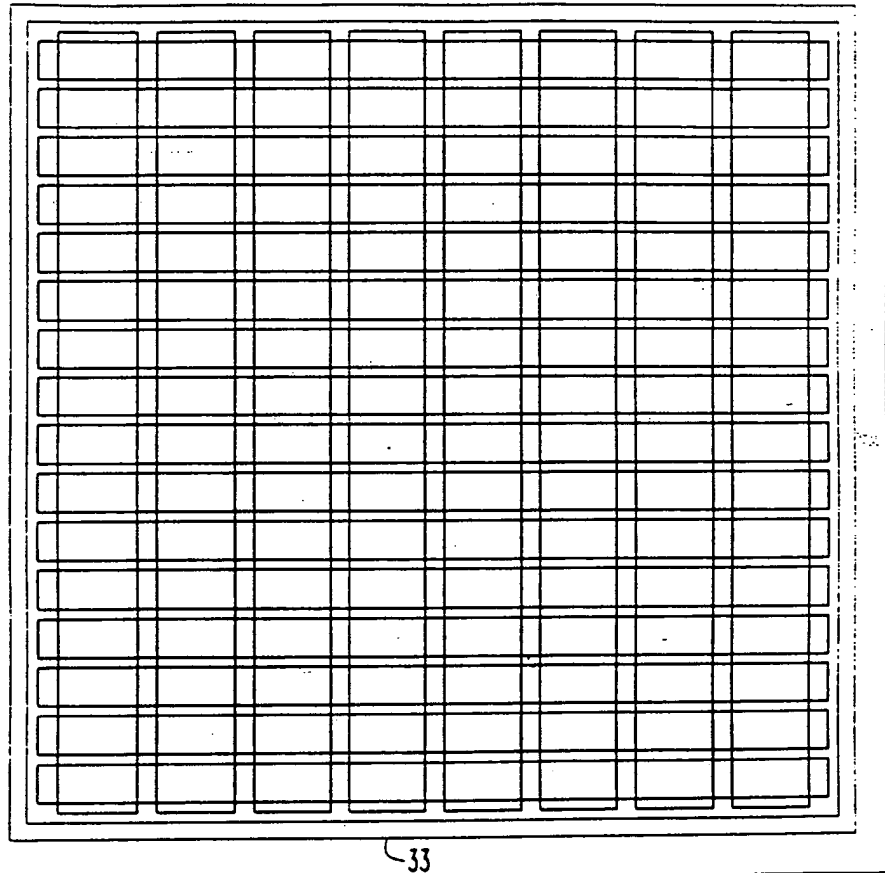
31

TO FIG. 33E4

FIG. 33E3

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TO  
FIG.  
33E2



TO FIG. 33E3

FIG. 33E4

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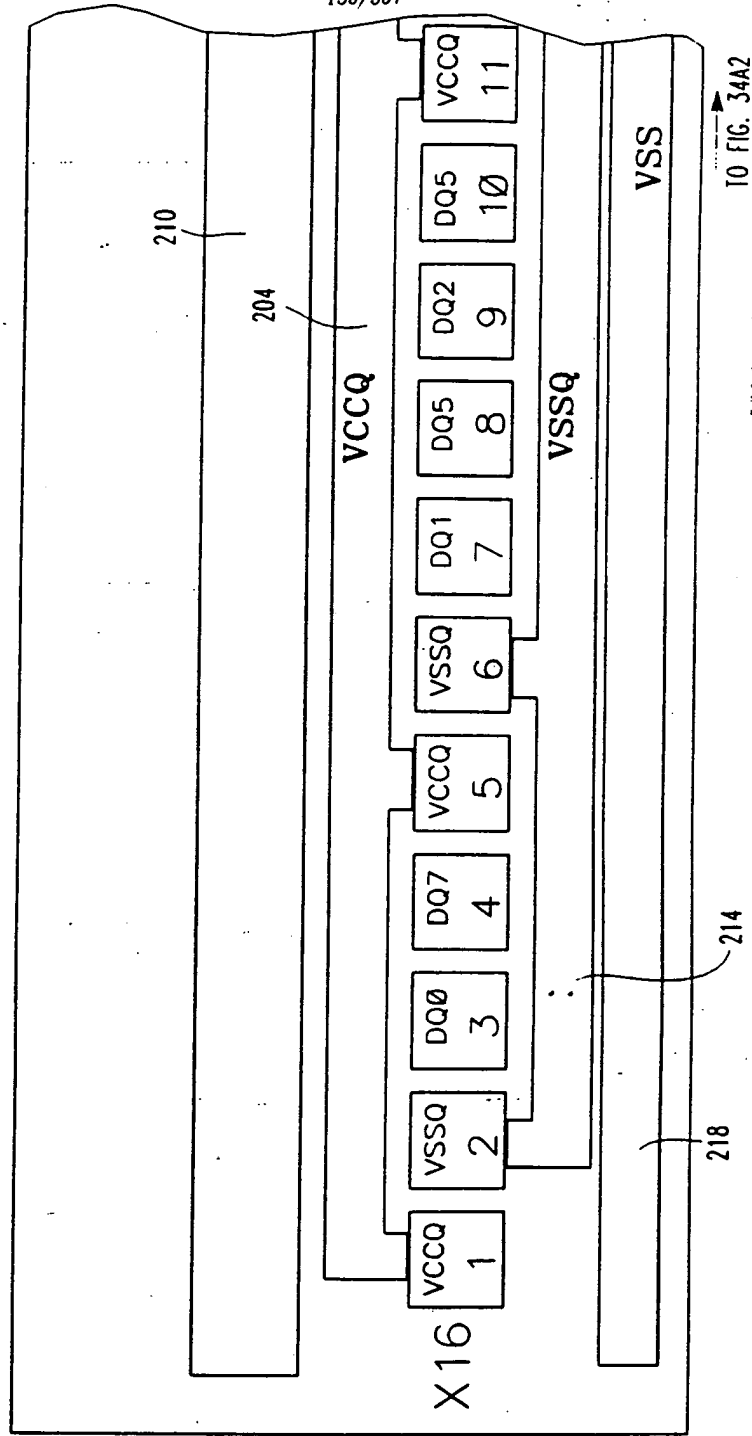
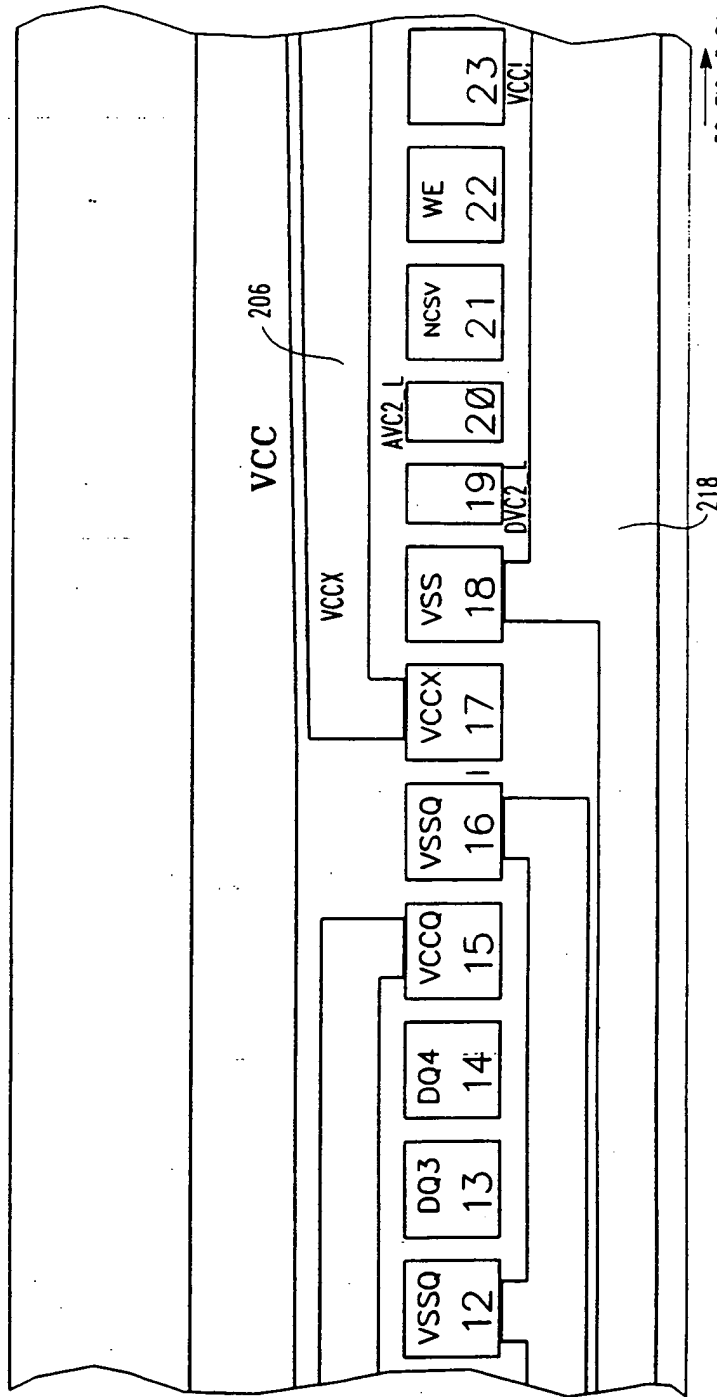


FIG. 34A

TO FIG. 34A2

0585471692001

TO FIG. 34A1

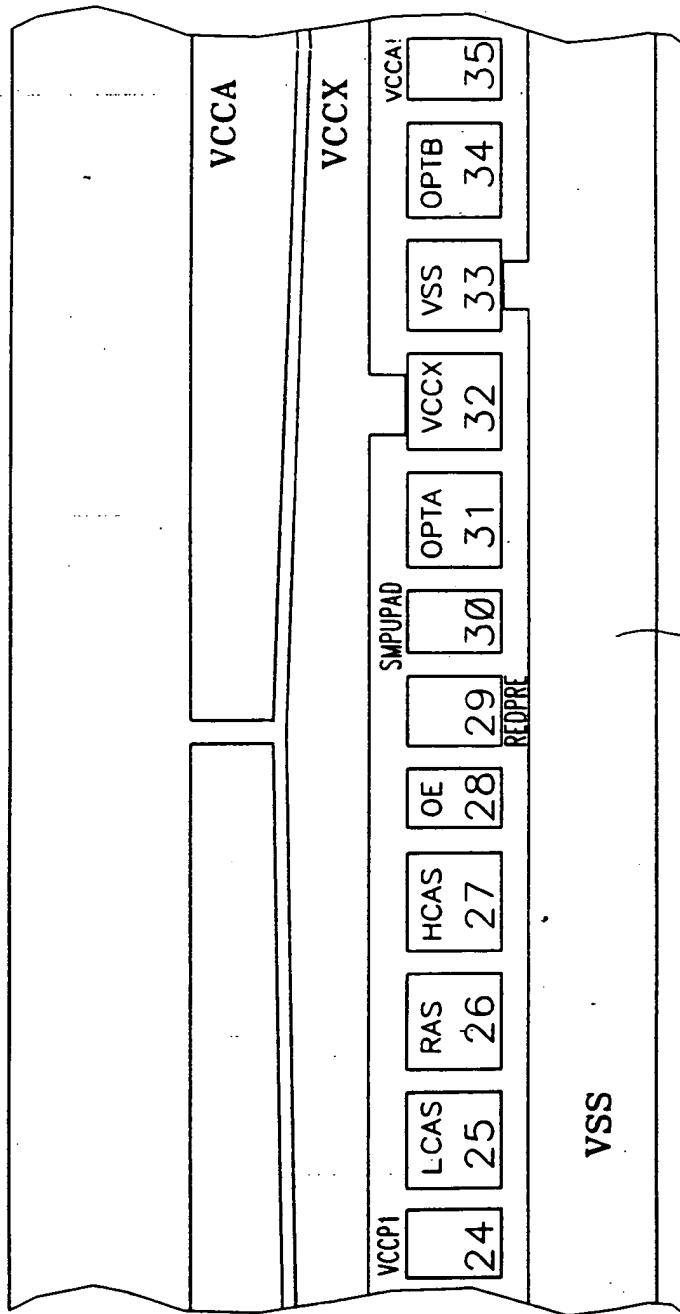


TO FIG. 34B1

FIG. 34A2

100290-1258860

TO FIG. 34A2



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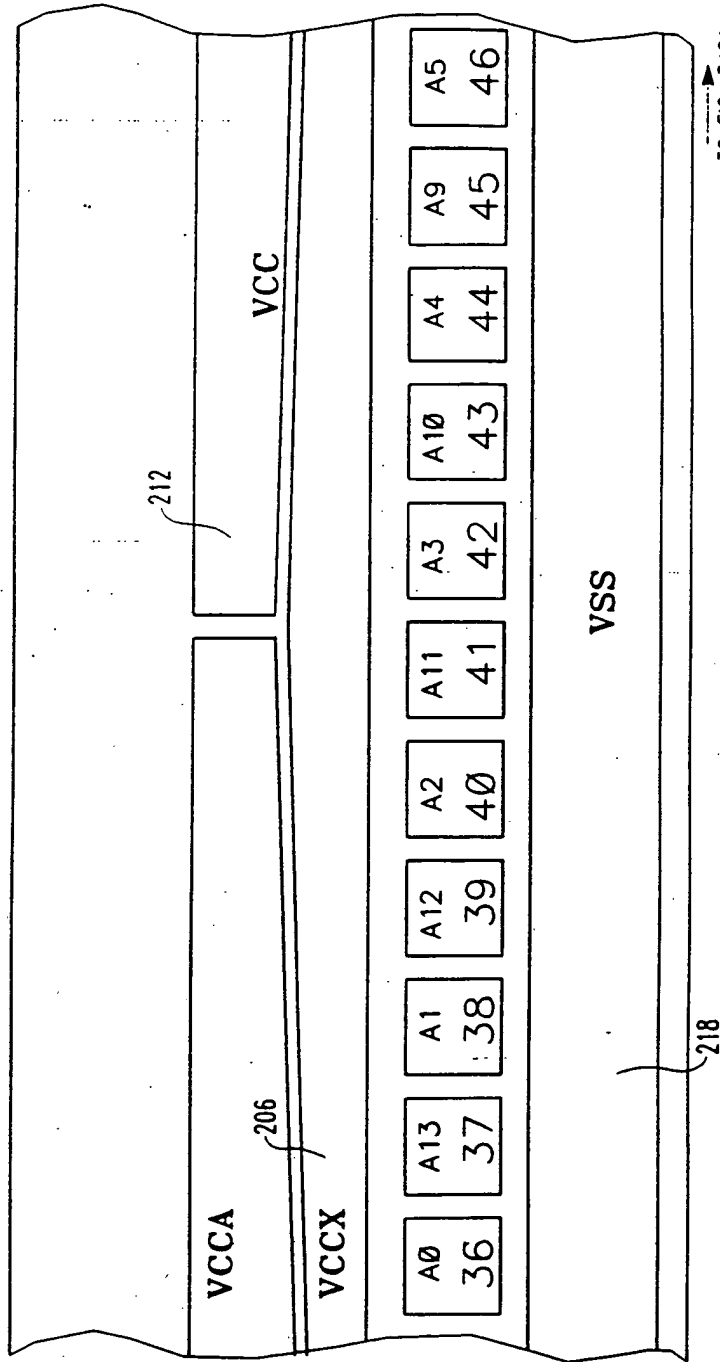
TO FIG. 34B2

FIG. 34B1



1002500-71258860

TO FIG. 34B1



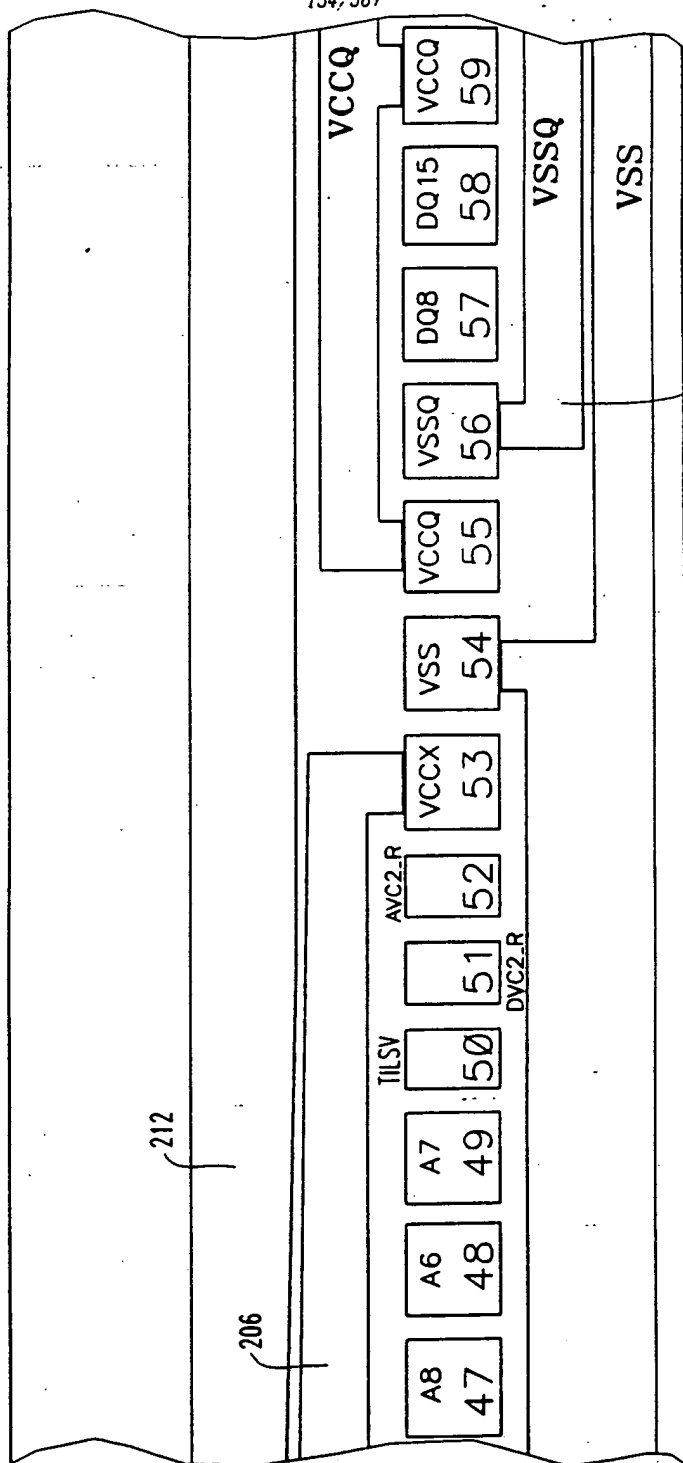
TO FIG. 34C1

FIG. 34B2

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11  
T00290-21258860

TO FIG. 34B2



TO FIG. 34C2

FIG. 34C1

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TO FIG. 34C1

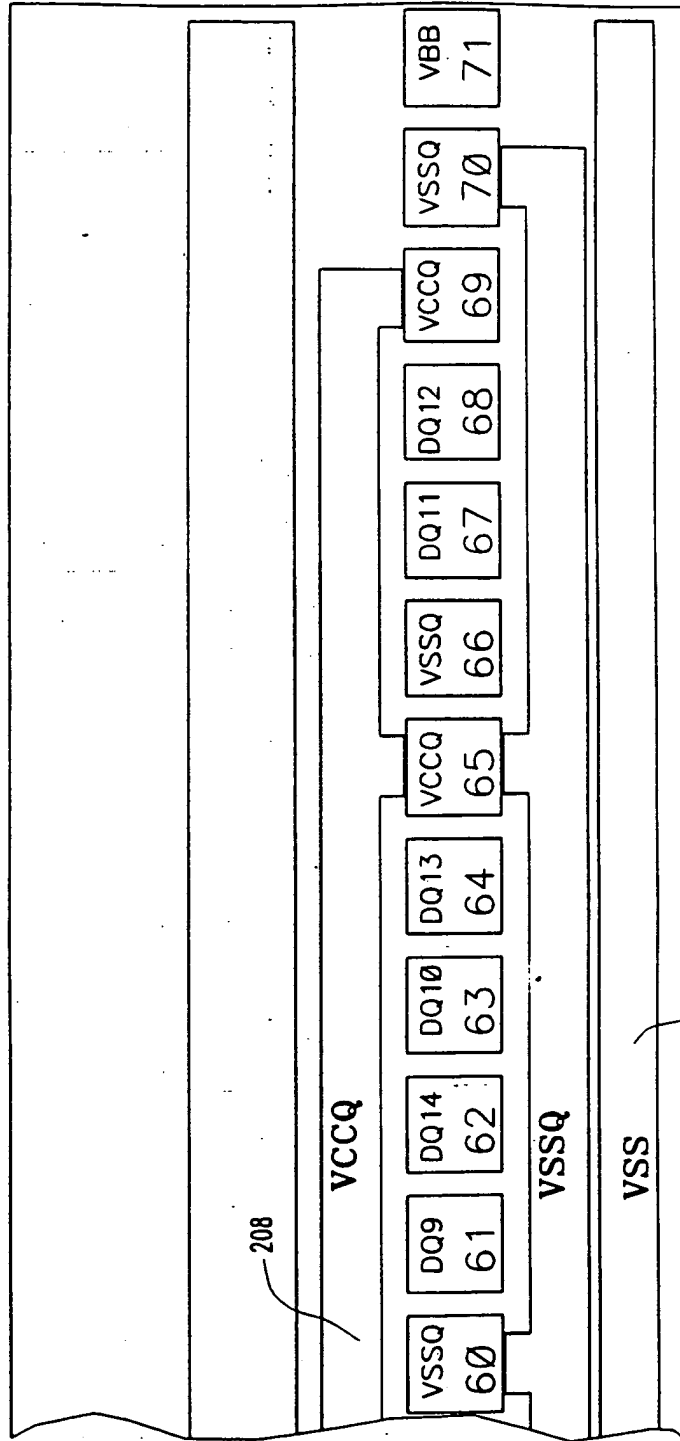


FIG. 34C2

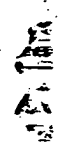
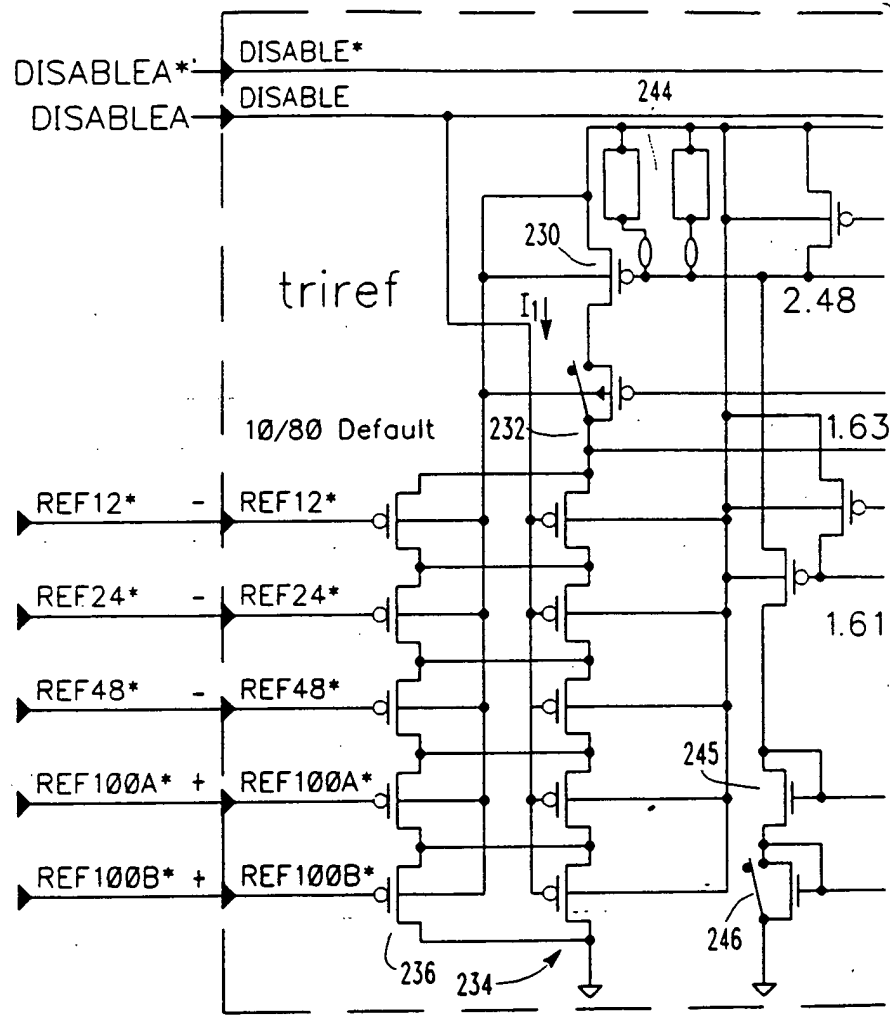


FIG. 35



TO  
FIG.  
36A2

FIG. 36A1

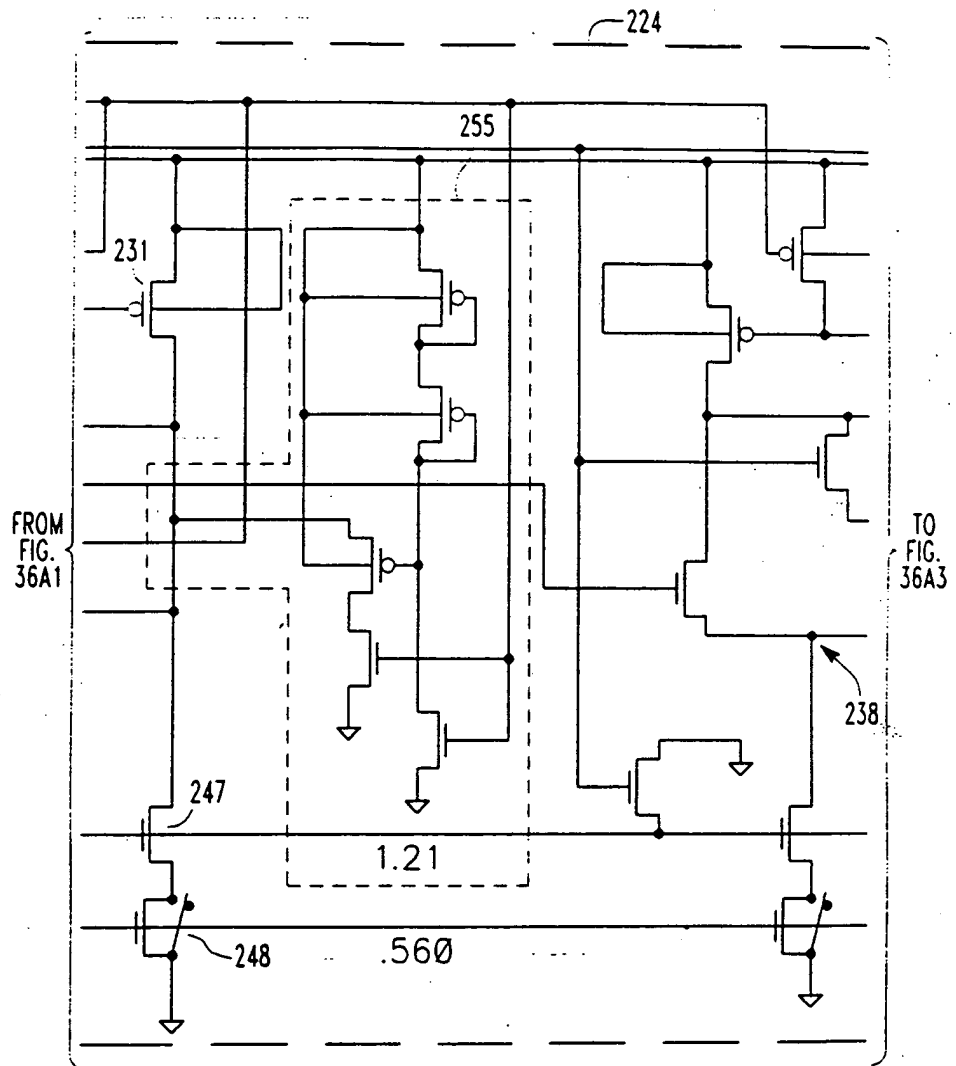


FIG. 36A2

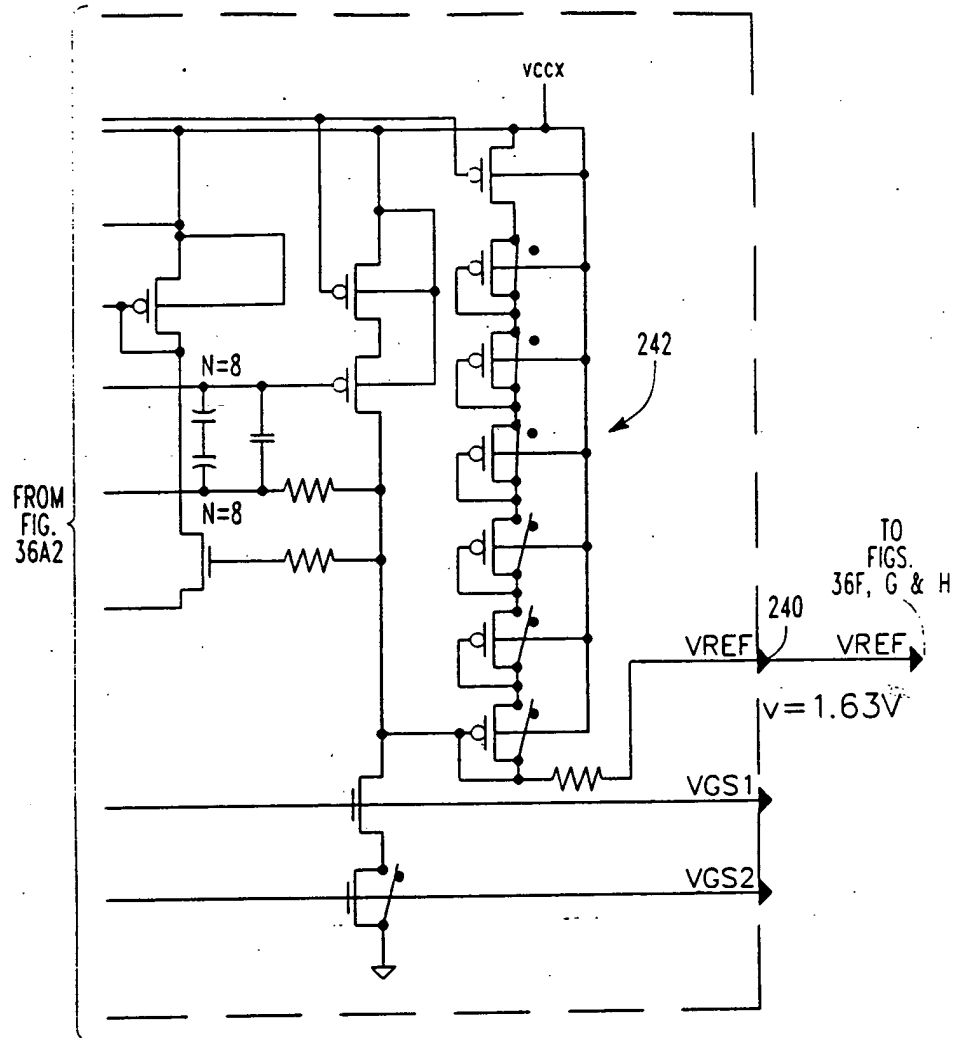


FIG. 36A3.

09885217-062001

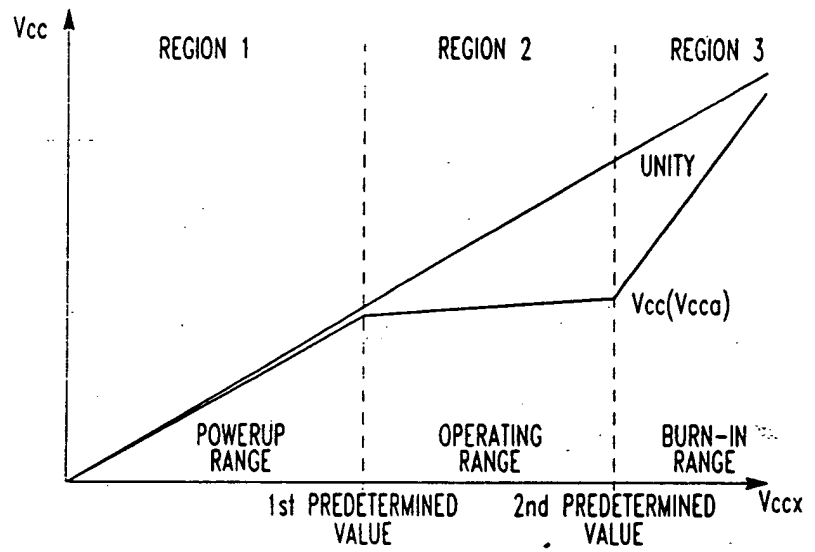


FIG. 36B



00290-71258860

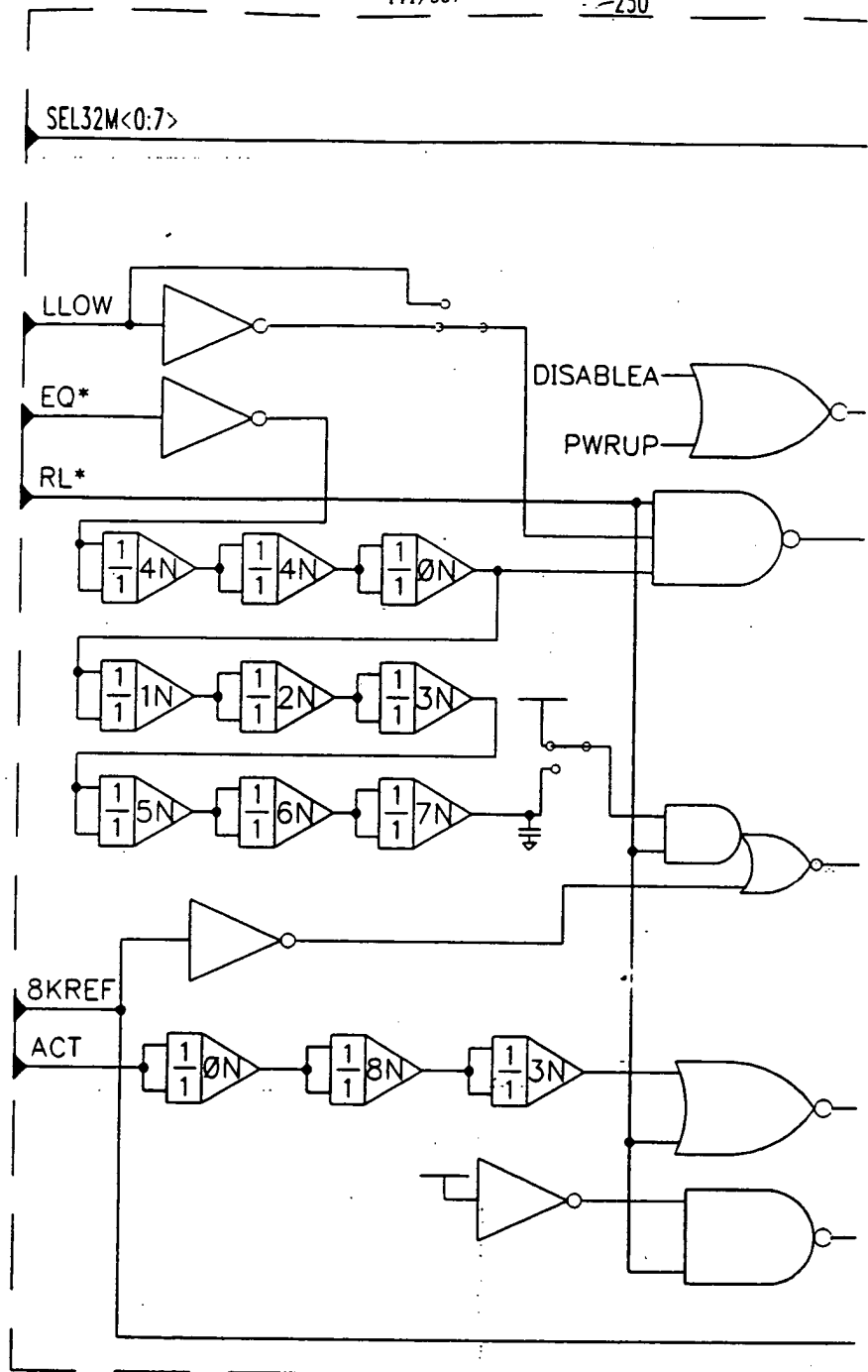


FIG. 36C1

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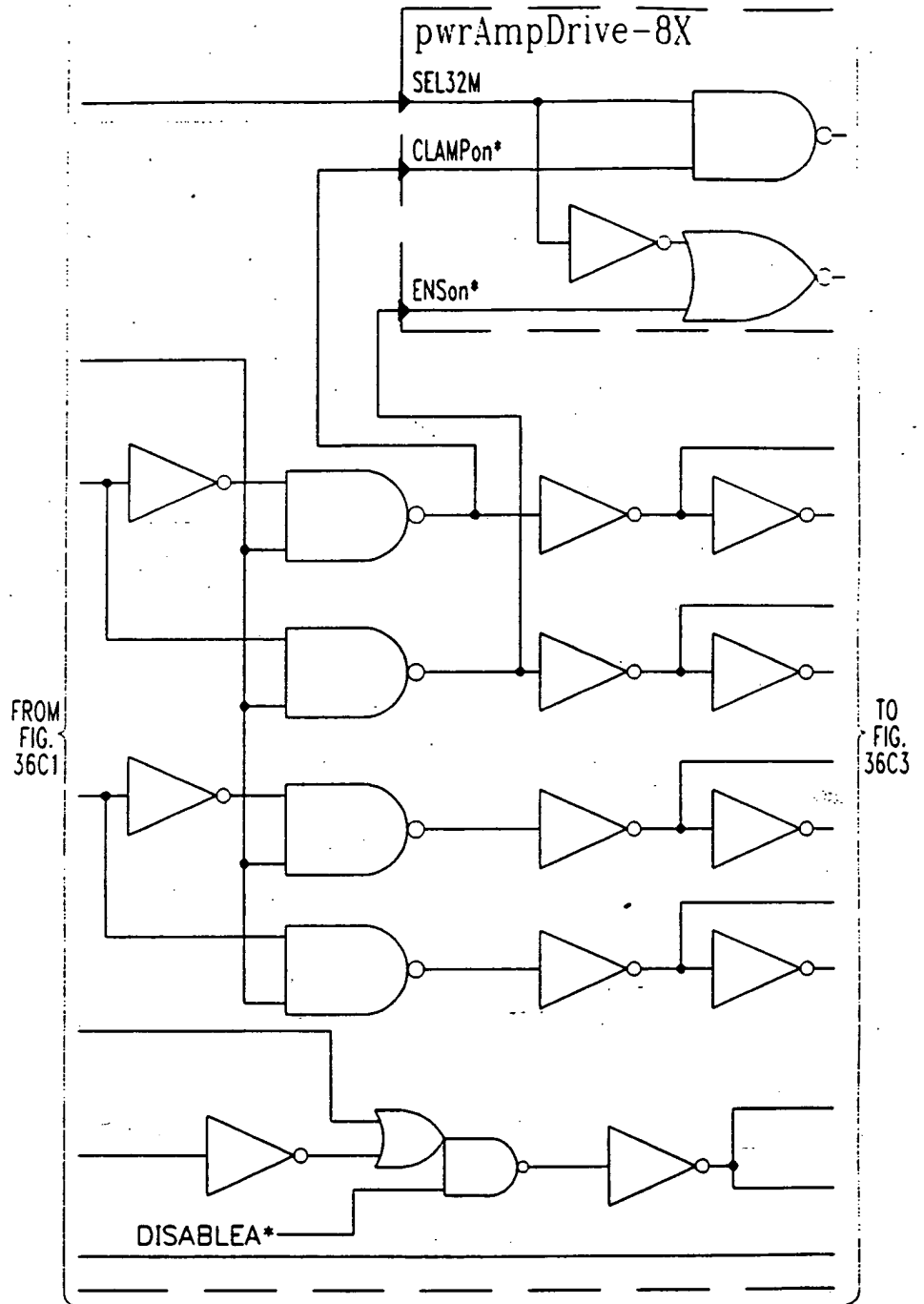


FIG. 36C2

0985217-062001

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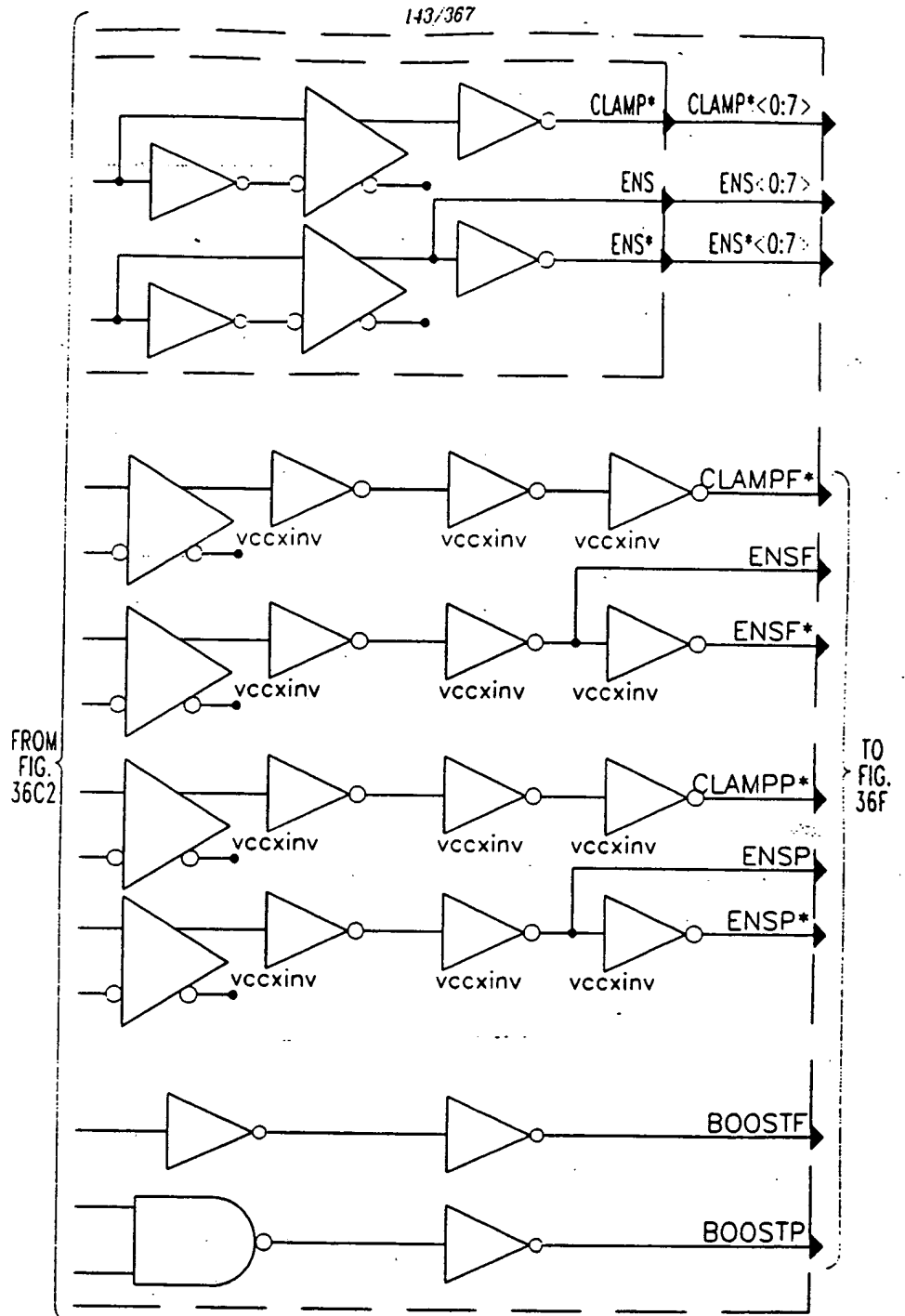


FIG. 36C3

09885217-062004

144 367

11  
100296-125860

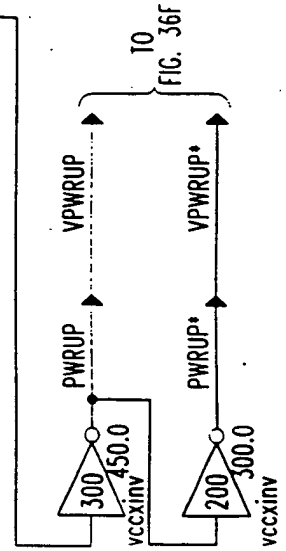
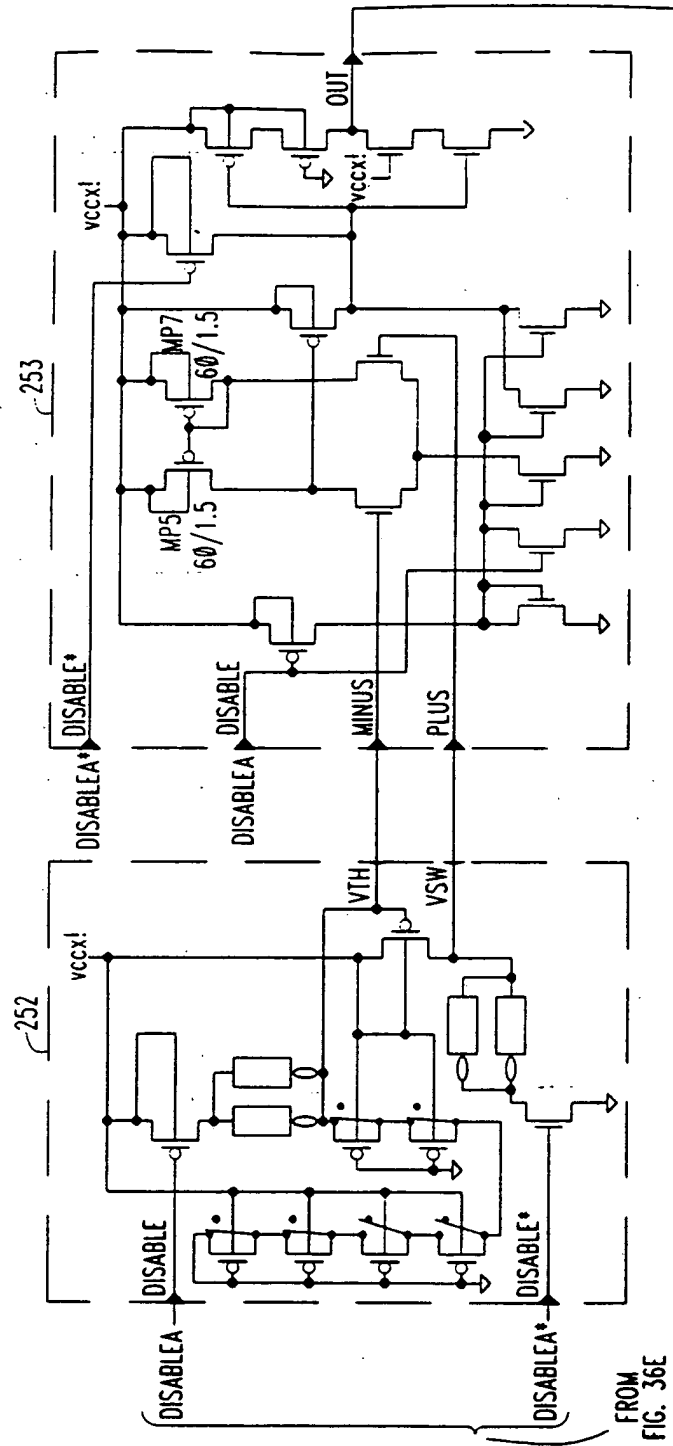


FIG. 36D

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100296-7258860

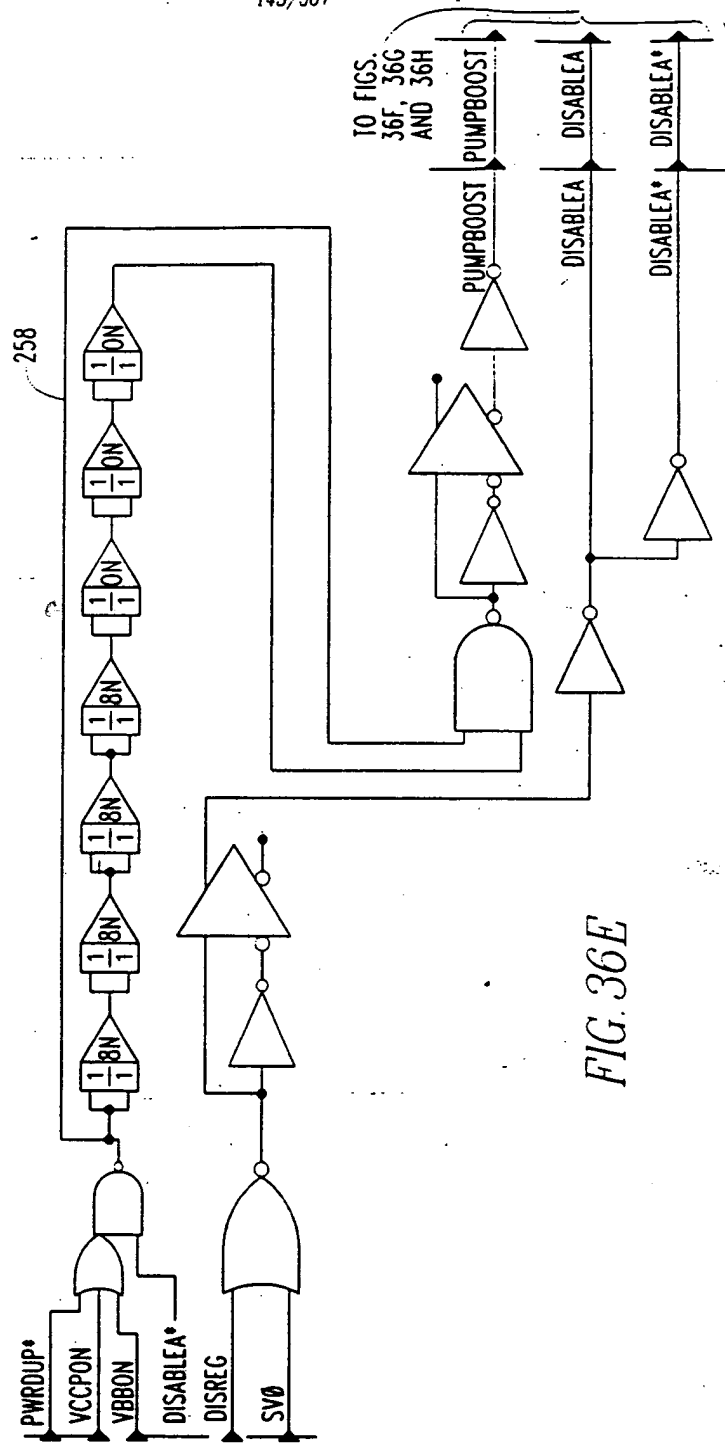


FIG. 36E

TO FIGS.  
36F, 36G  
AND 36H

100246-1258860

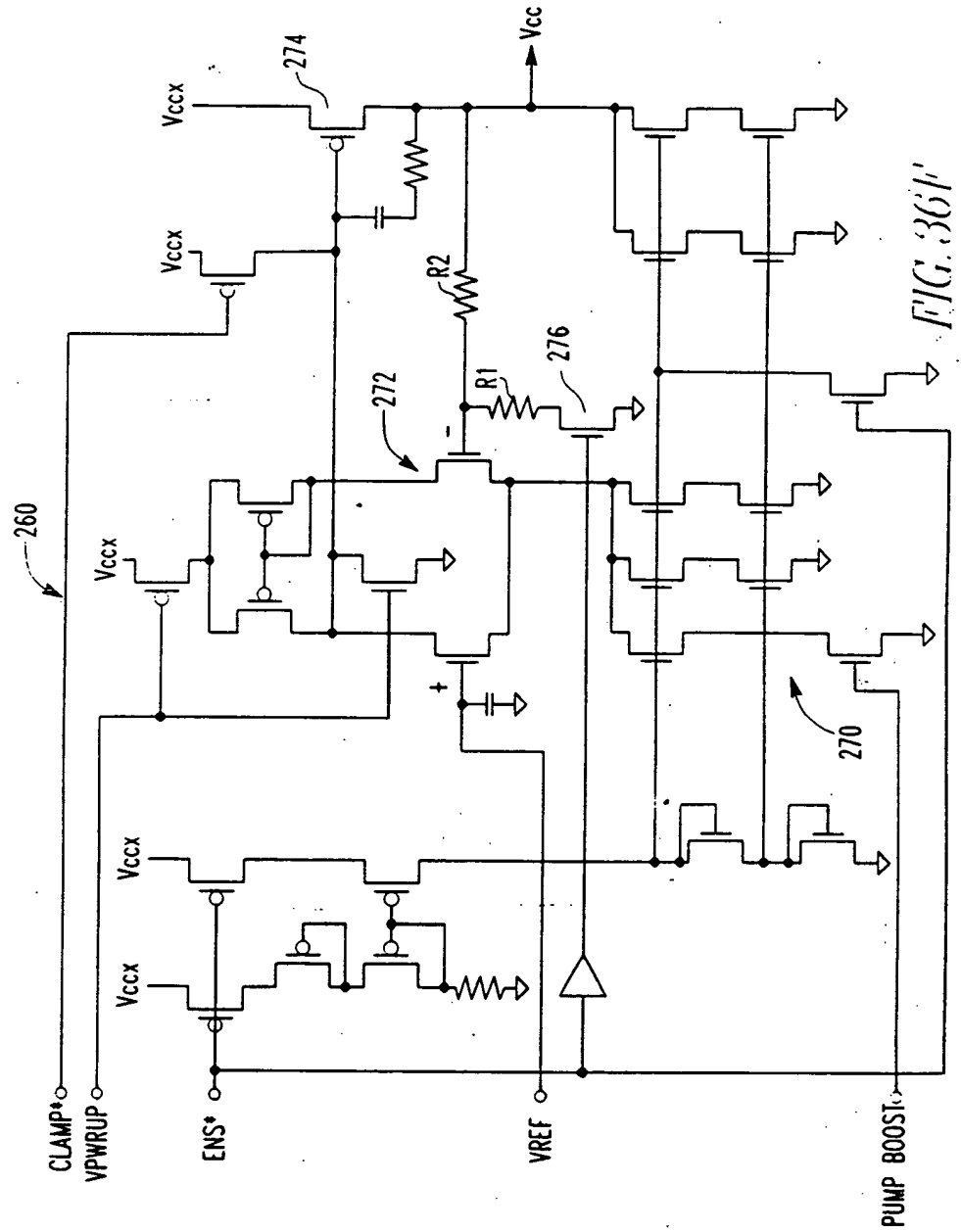


FIG. 36F

100296-1258860

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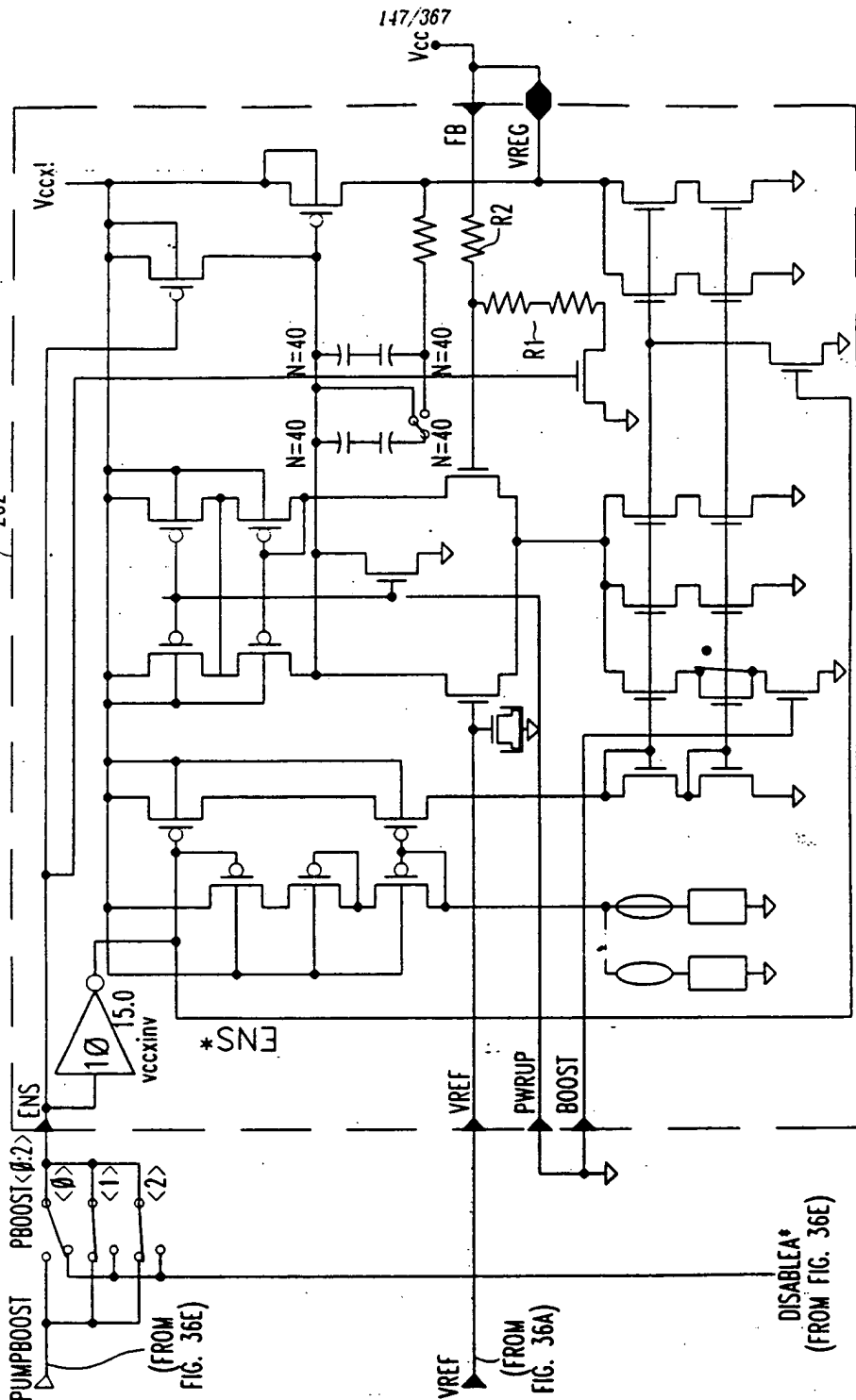


FIG. 36G

100240 1258860

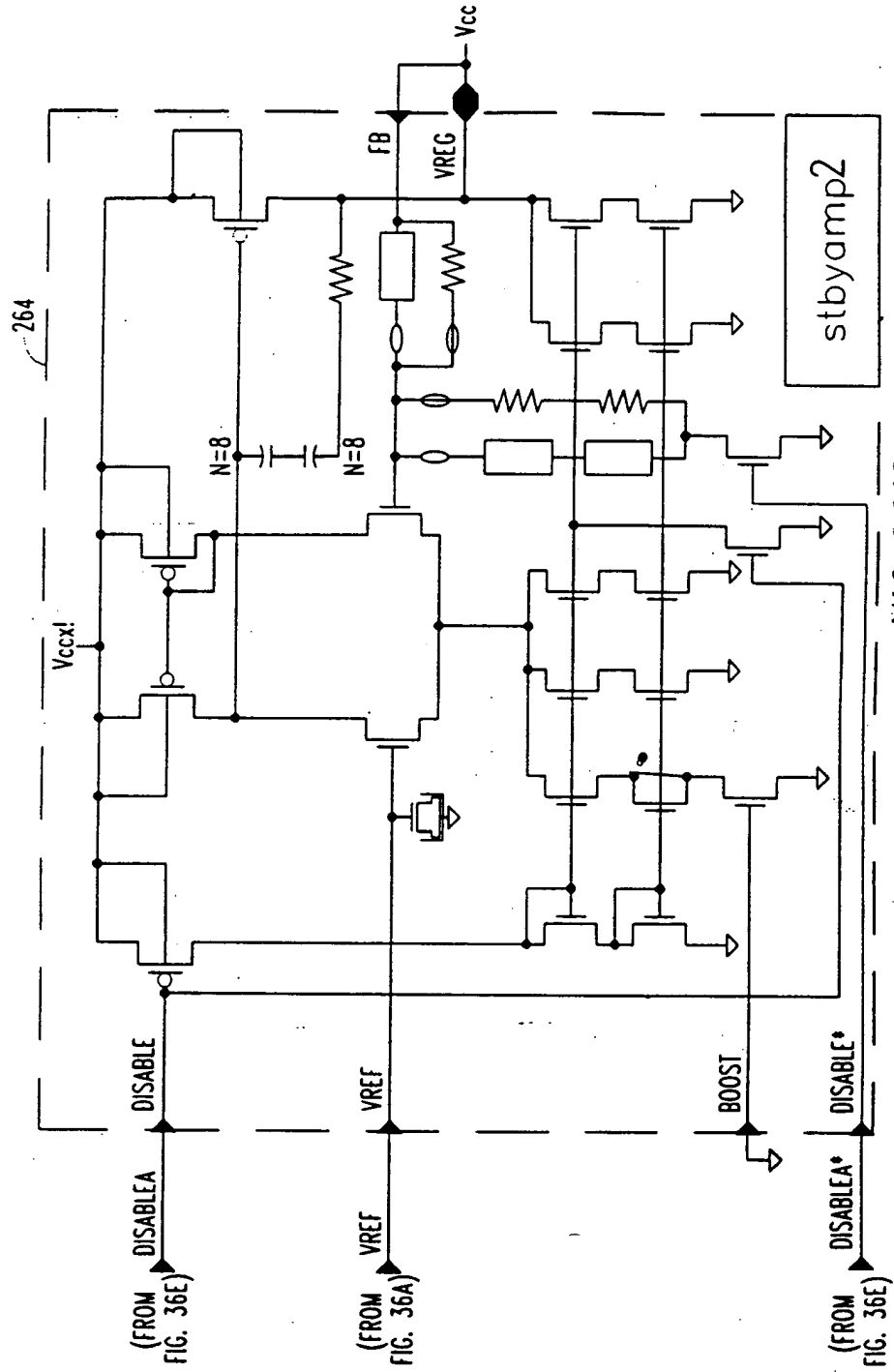


FIG. 36H



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11  
FO0290-71258860

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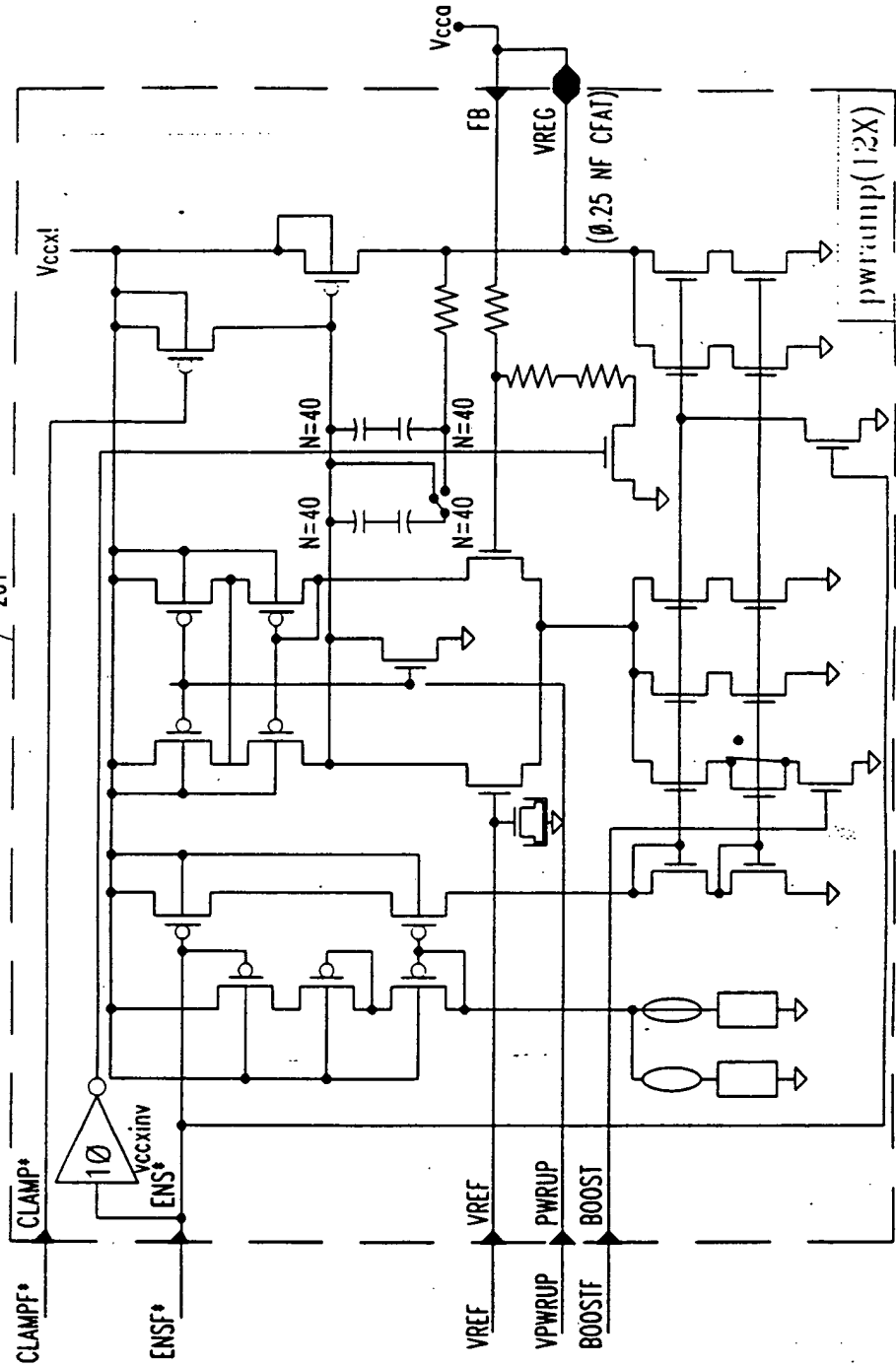


FIG. 361

100240-1258860

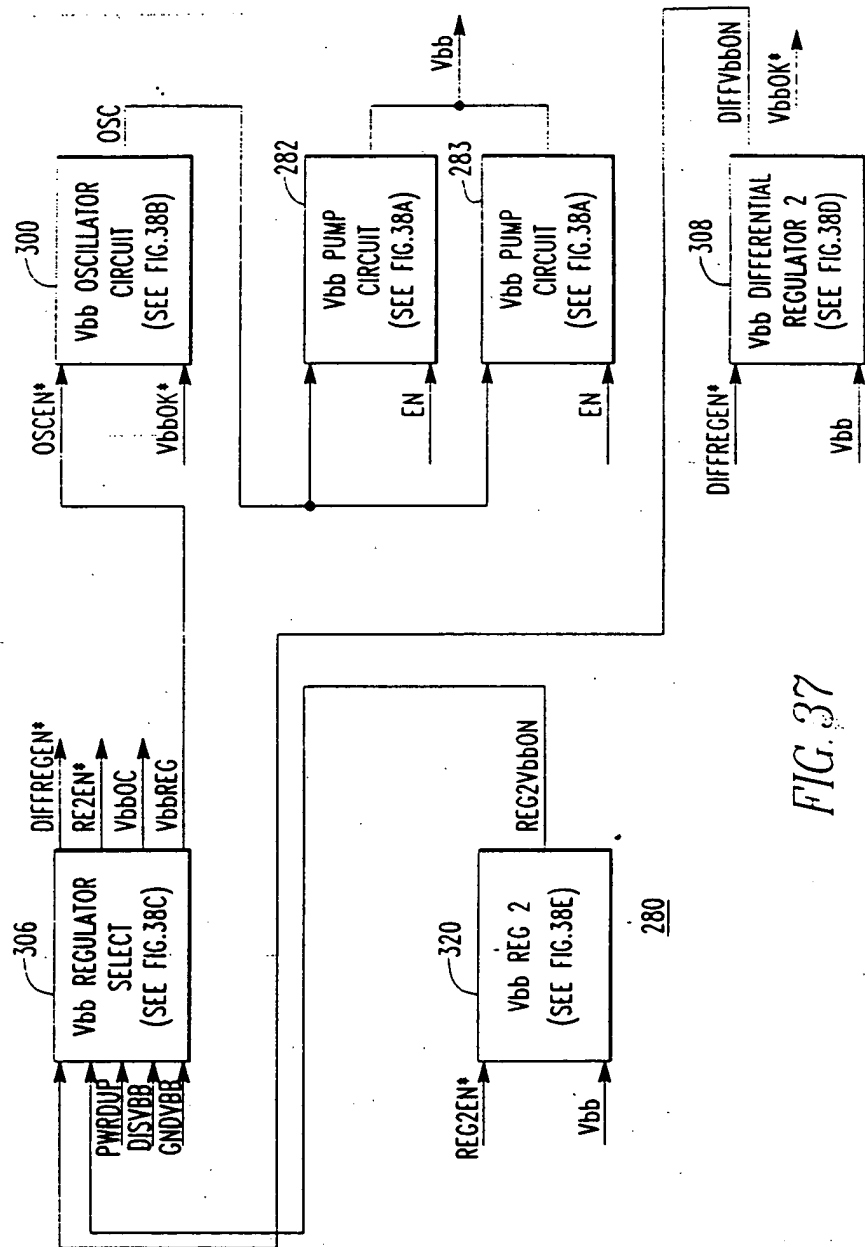


FIG. 37

100296-1258860

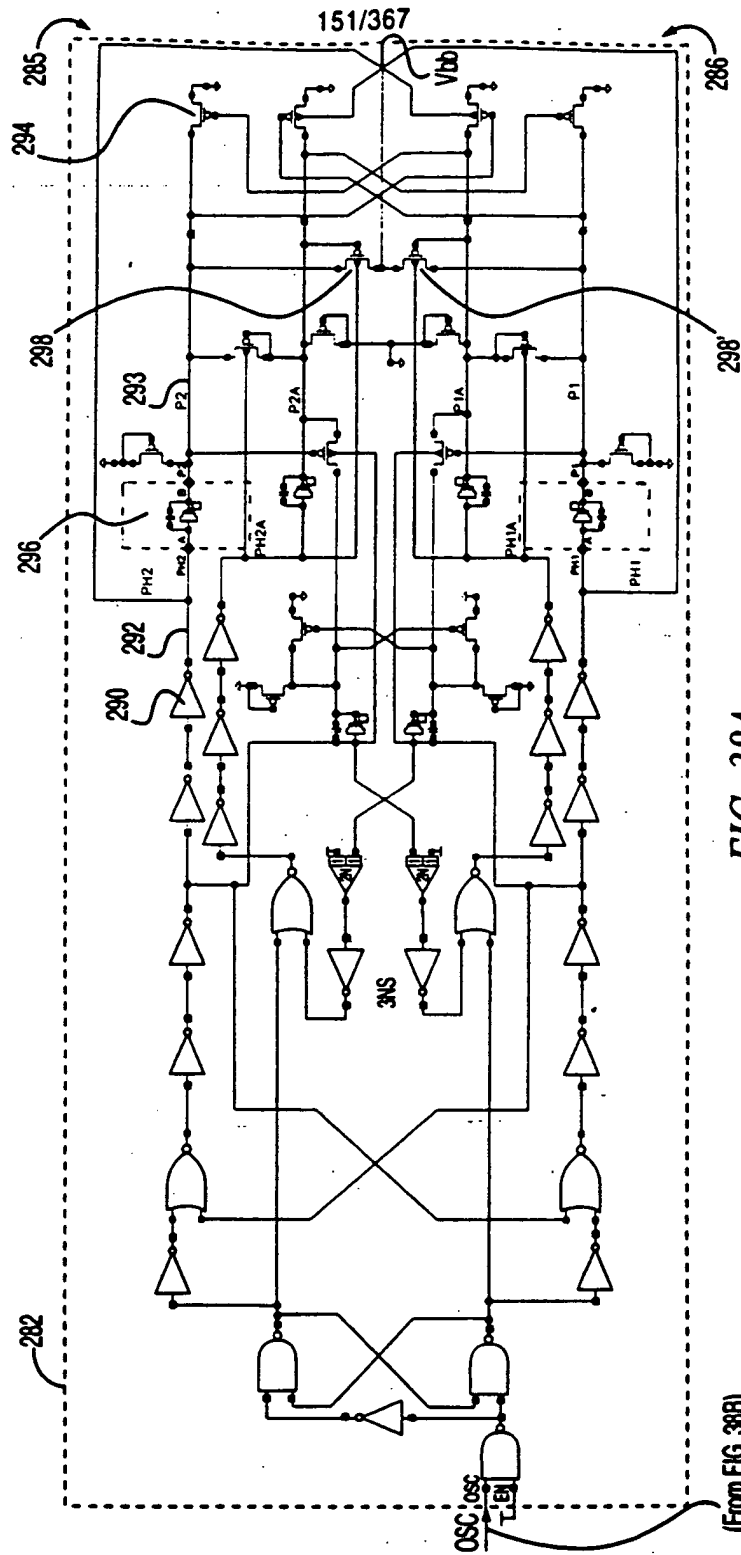
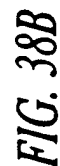


FIG. 38A

(From FIG. 38B)



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100290-1125860

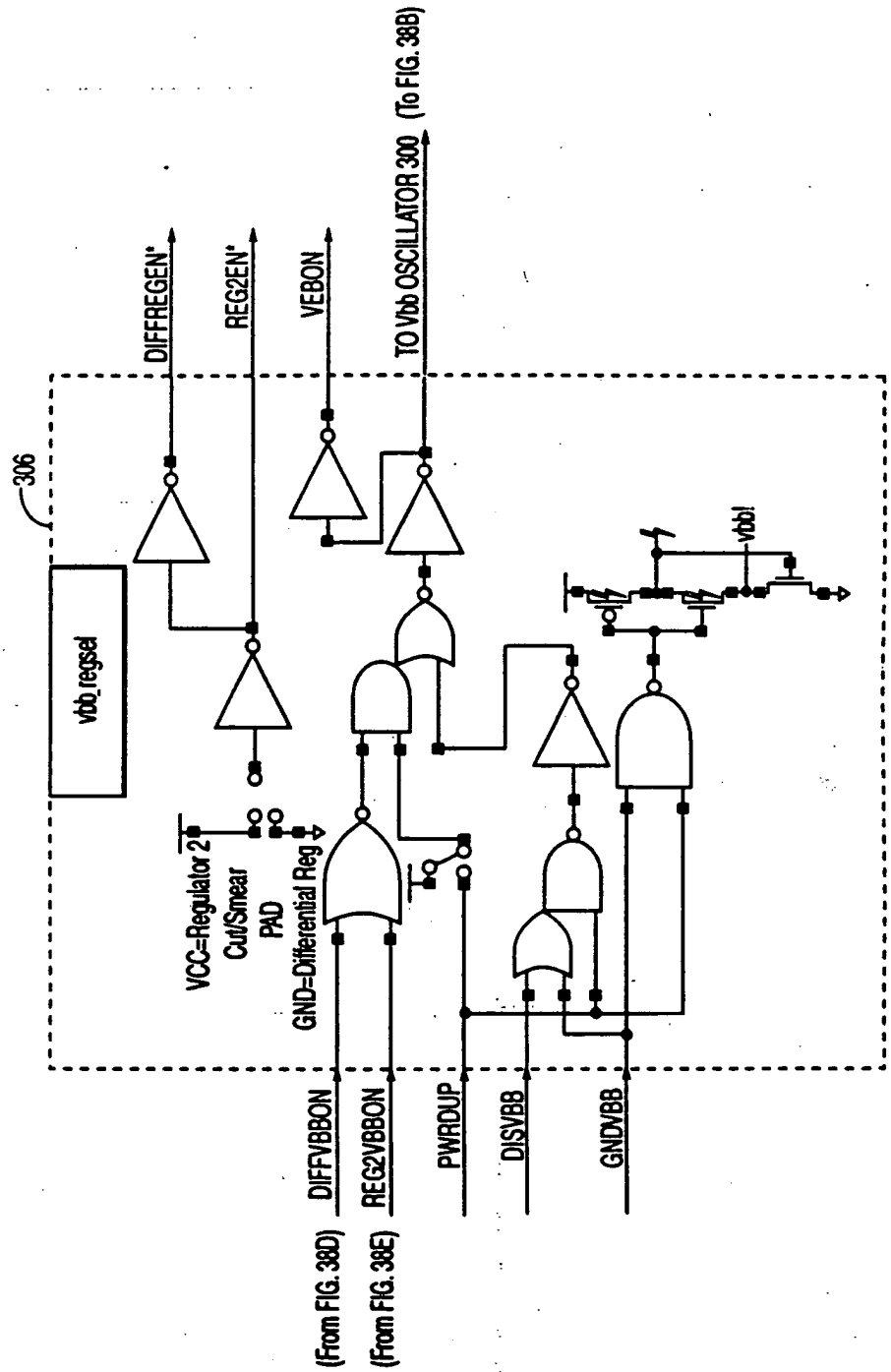
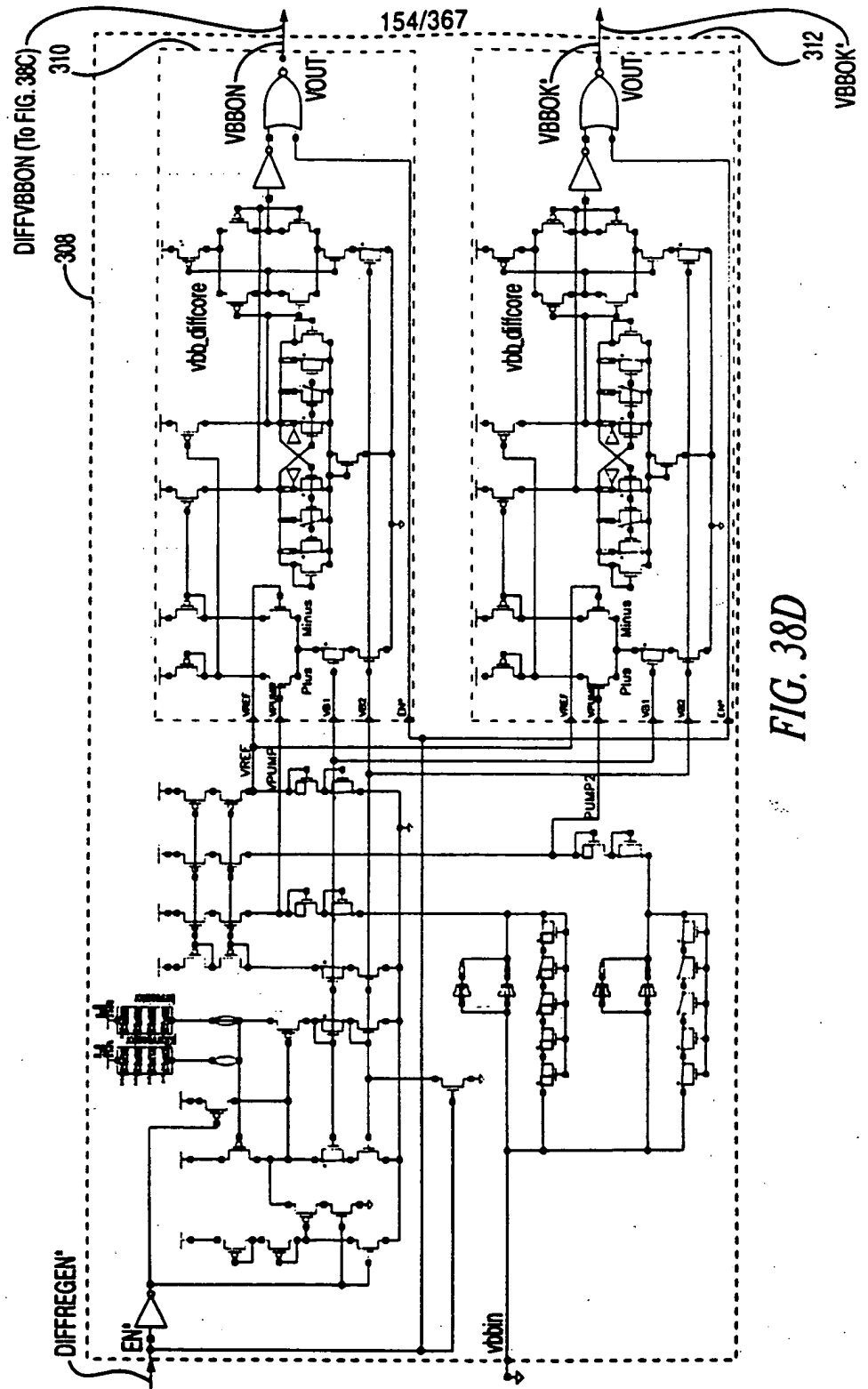


FIG. 38C

100290-1258860



00488571 00488571

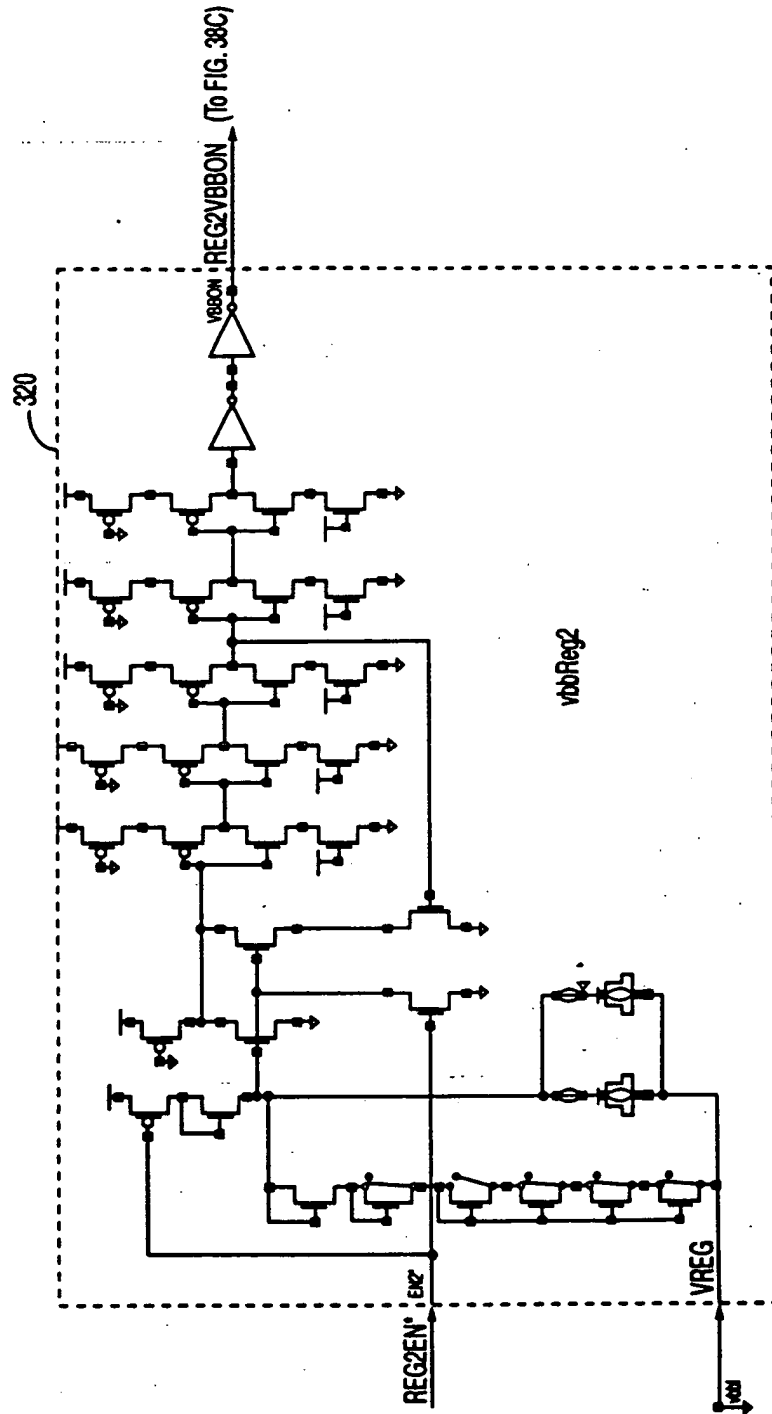


FIG. 38E

1002301/1258860

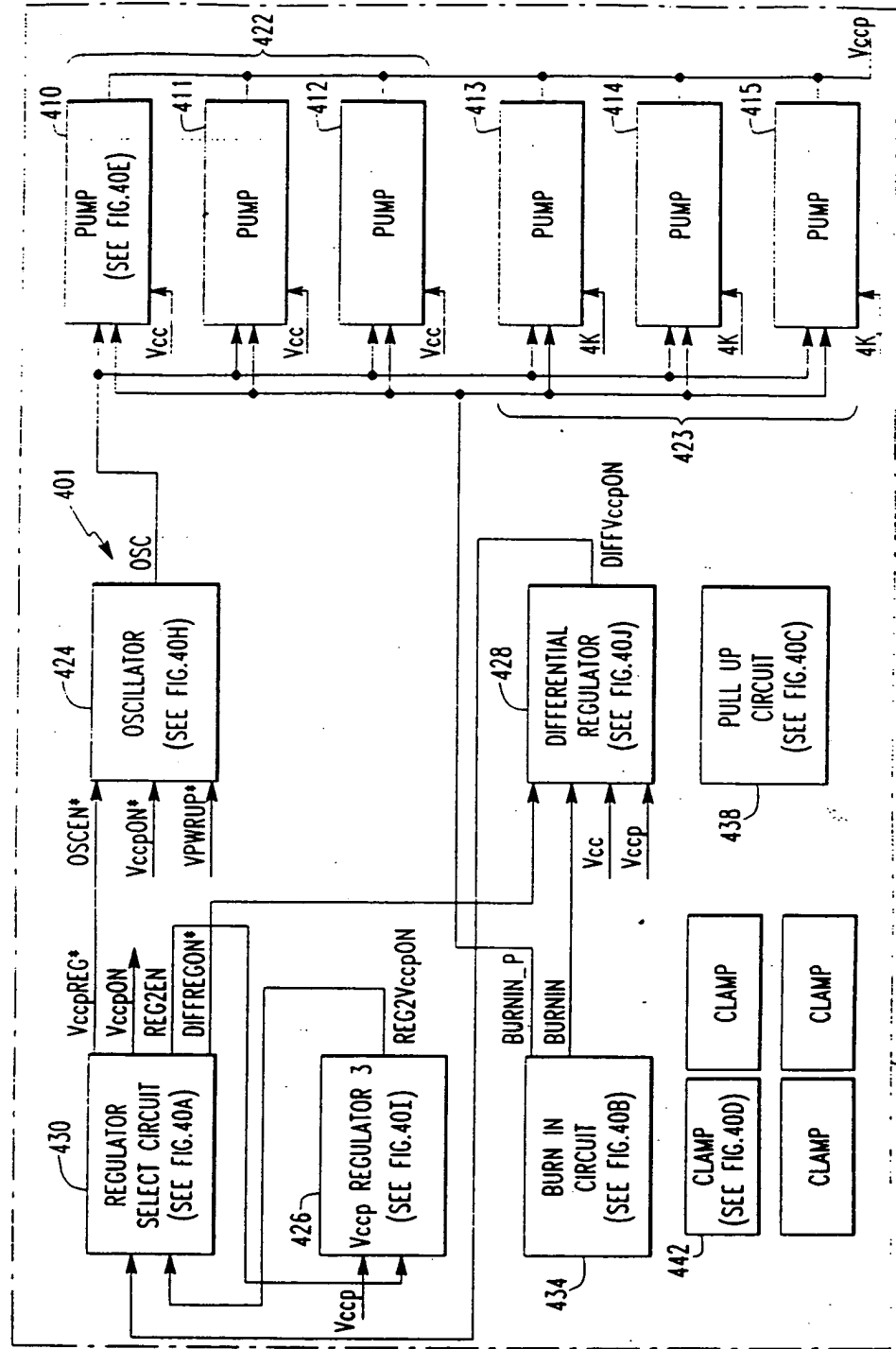


FIG. 39



100290/125860

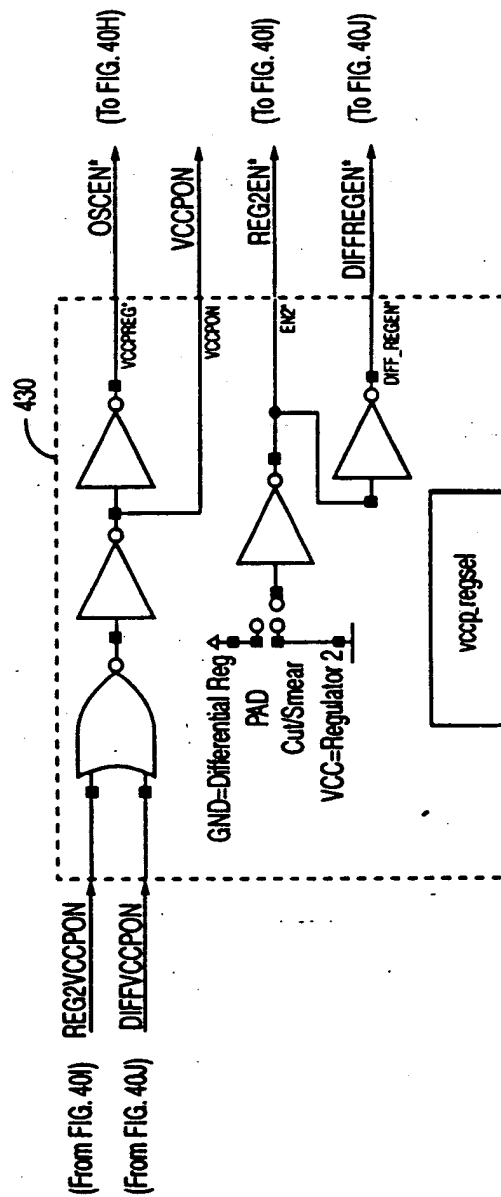


FIG. 40A

00290-7258860

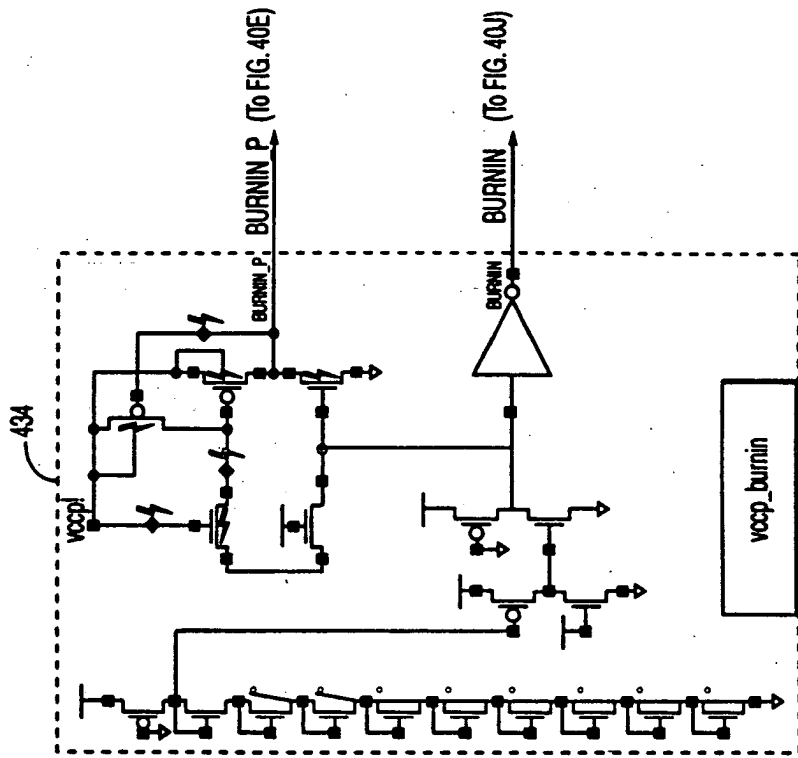


FIG. 40B

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FIG. 40C

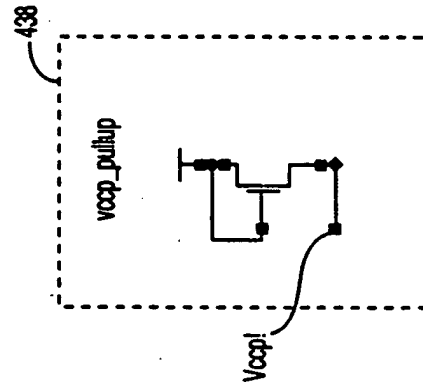


FIG. 40C

100290-2258860

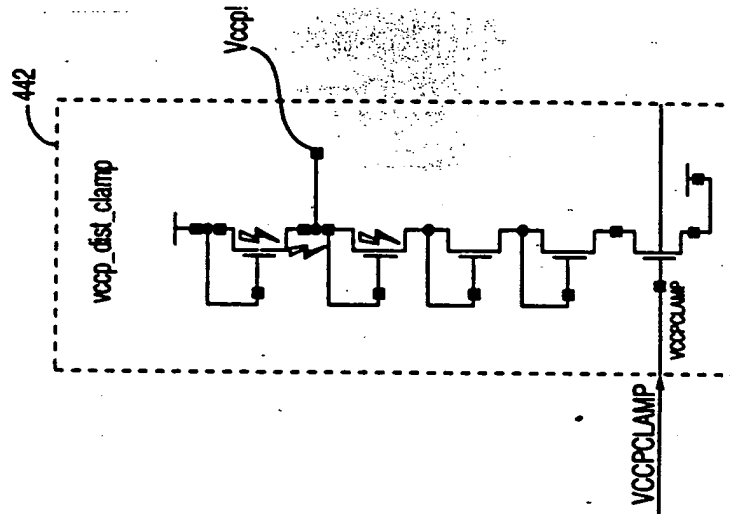


FIG. 40D

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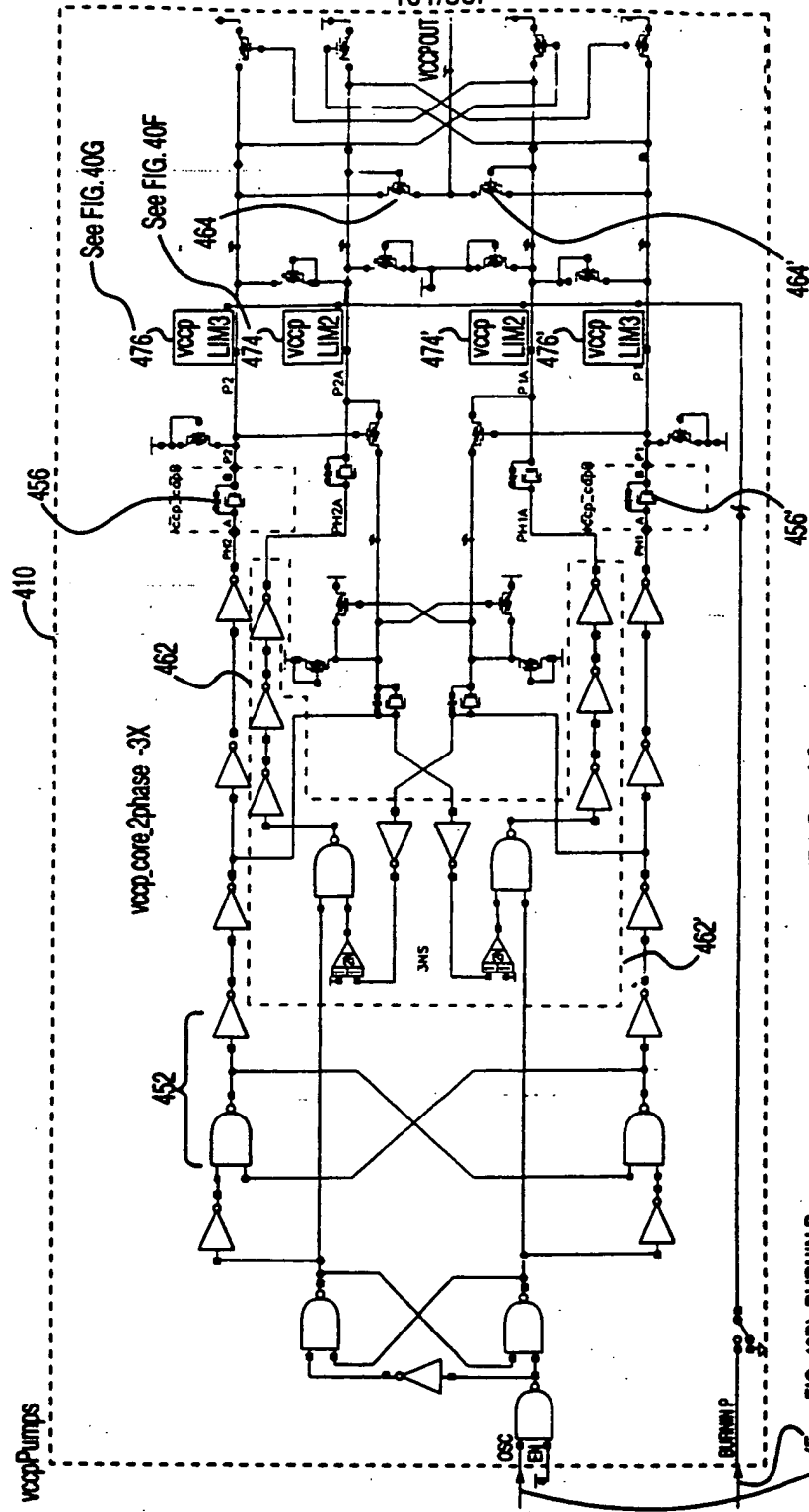


FIG. 40E

(From FIG. 40B) BURNNIN P

(From FIG. 40H) VCCPOSC

100290-1258860

100290-21258860

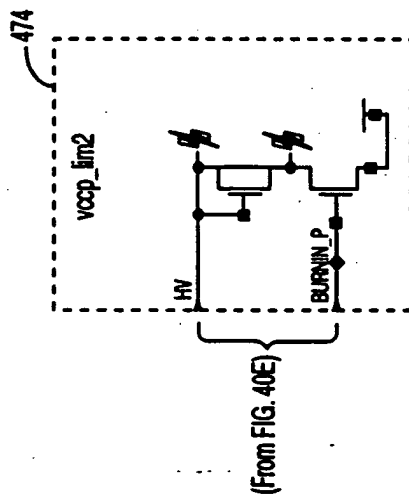


FIG. 40F

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100290-1258860

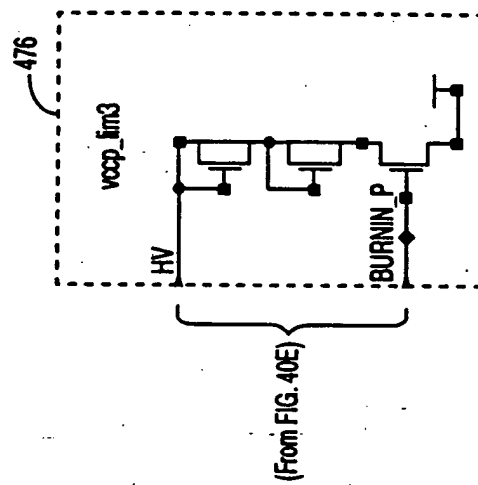
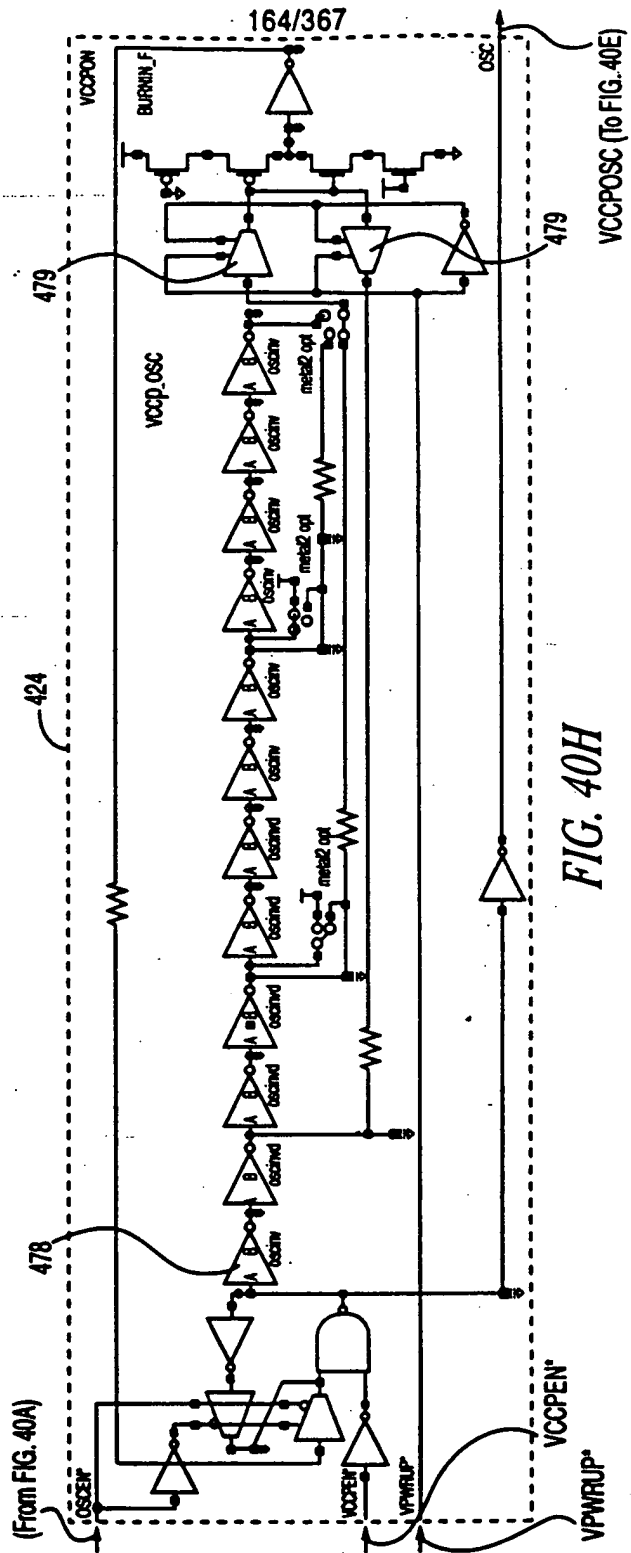


FIG. 40G

100296-1258860





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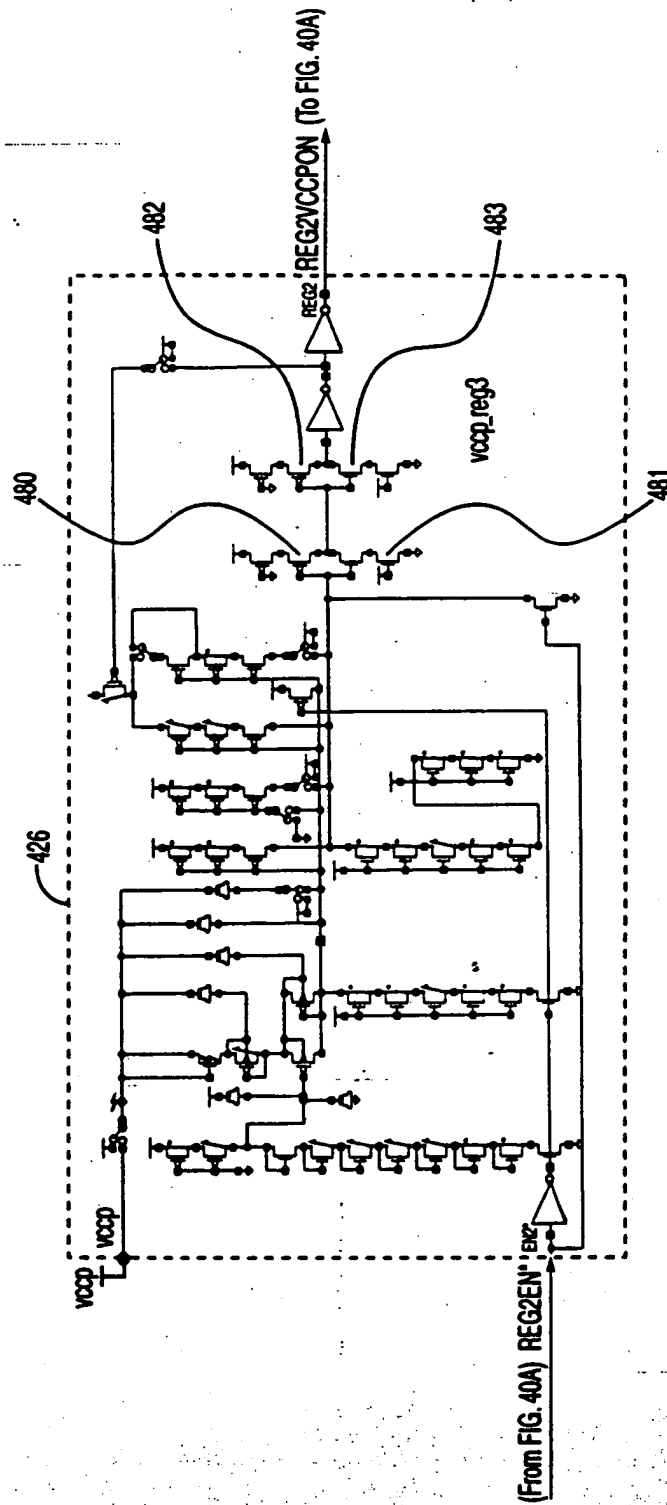


FIG. 40I

100290/1258860

100290-21258860

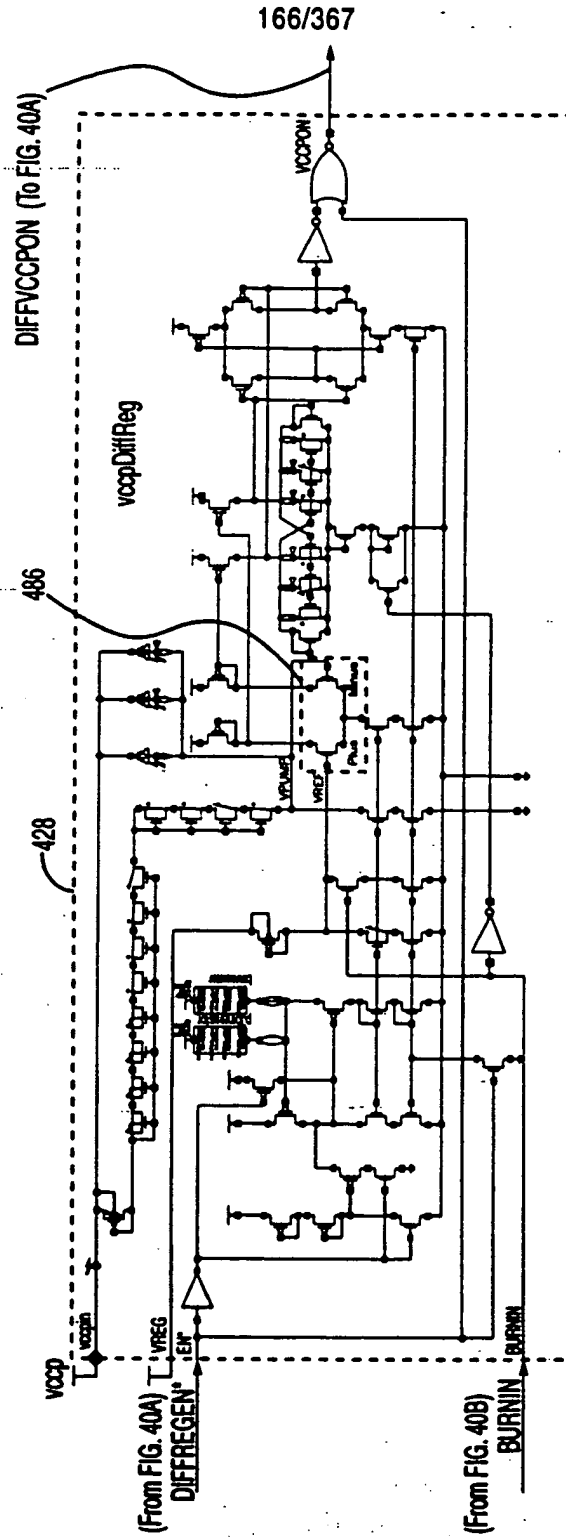


FIG. 40J

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11  
FO0290-7758860

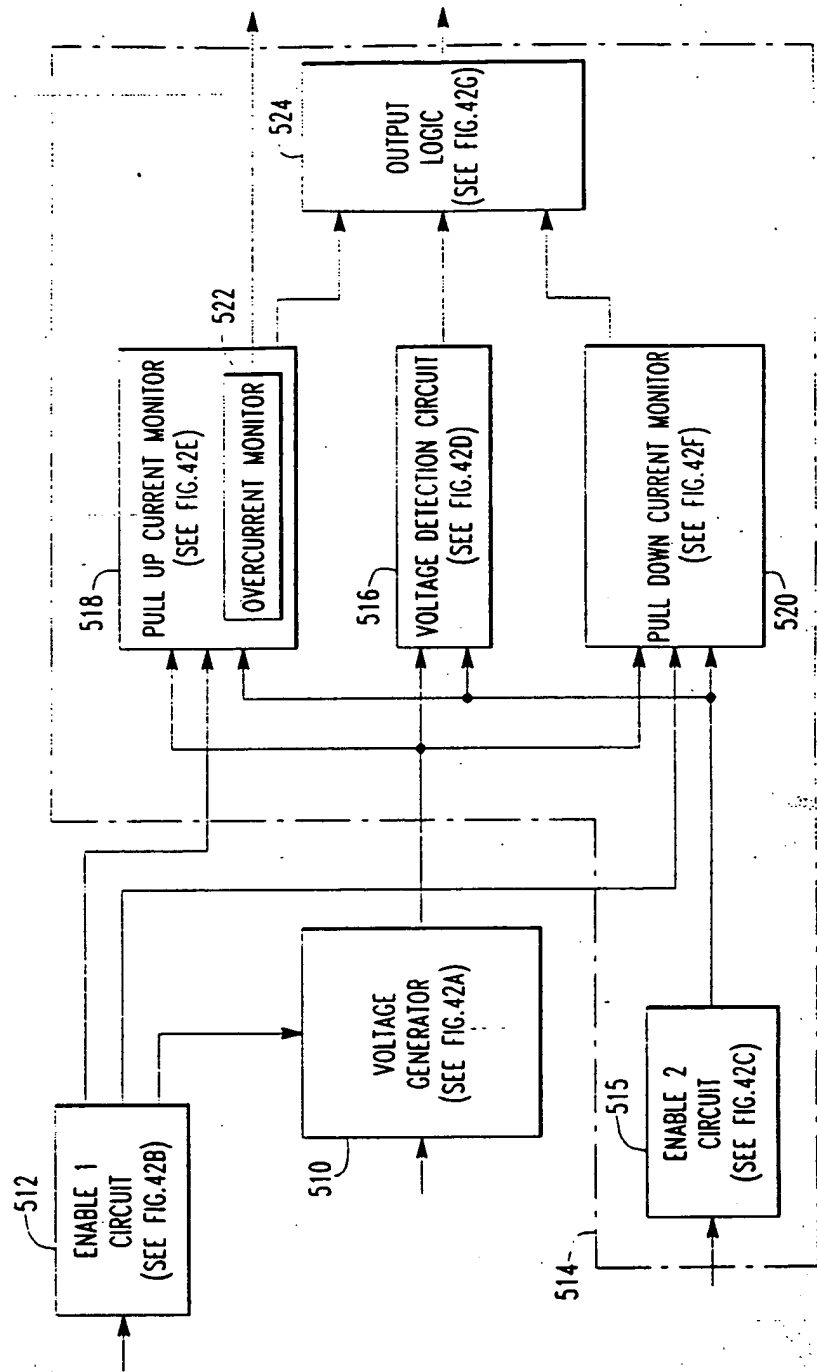


FIG. 41

500

100290-21258860

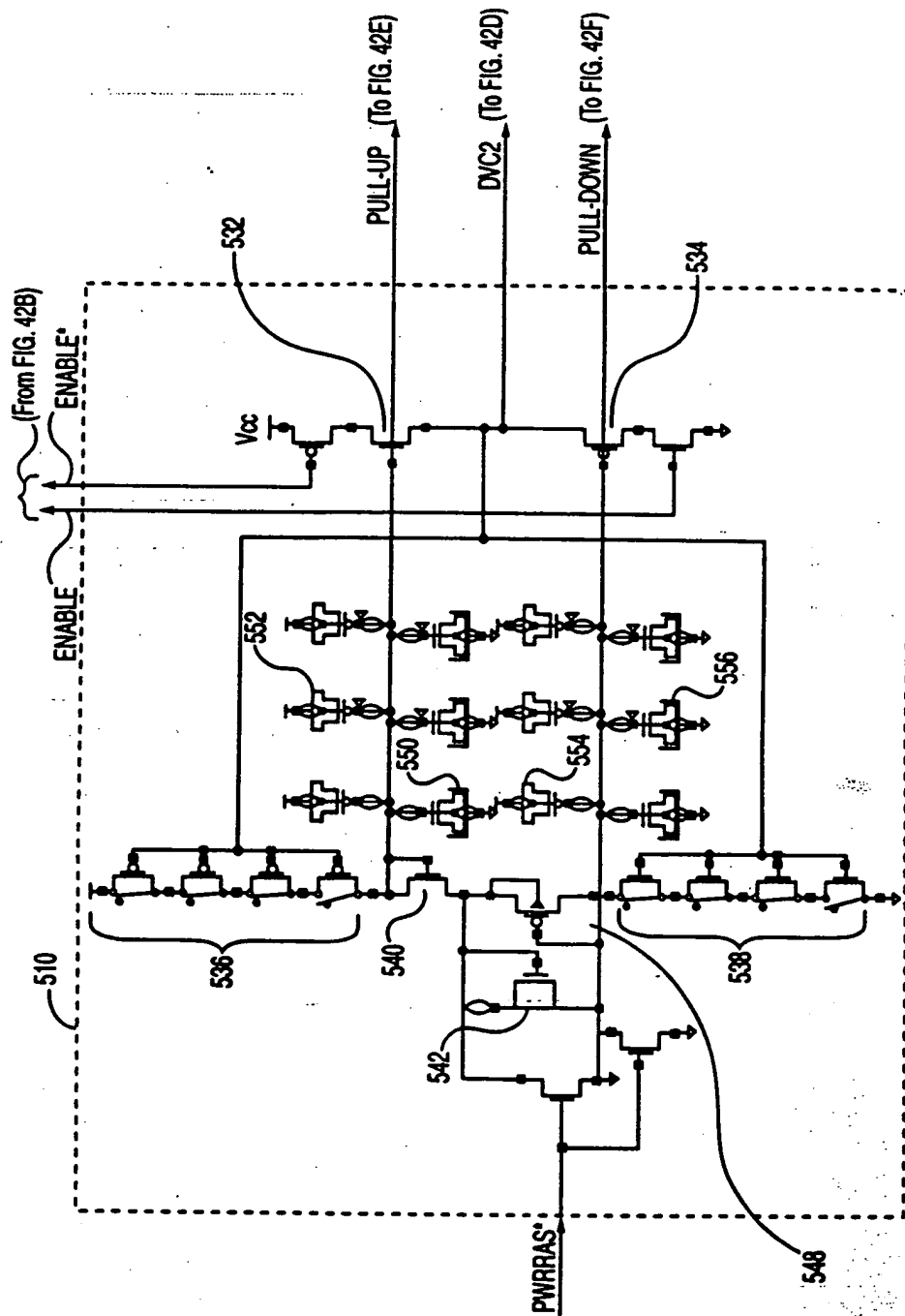


FIG. 42A

100290-21258860

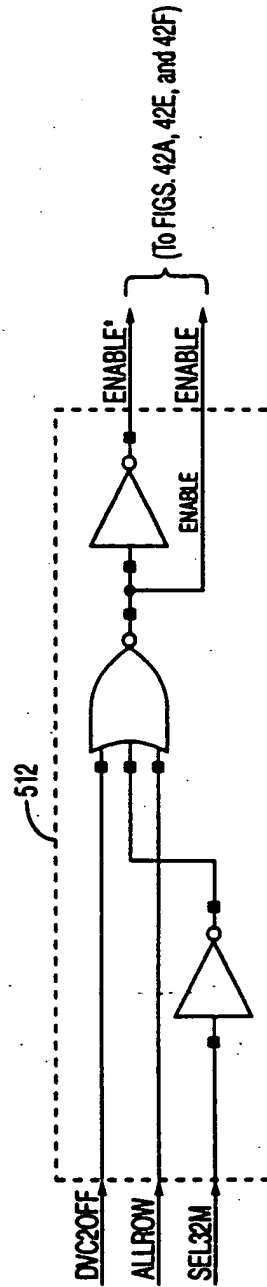


FIG. 42B

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100290-21258860

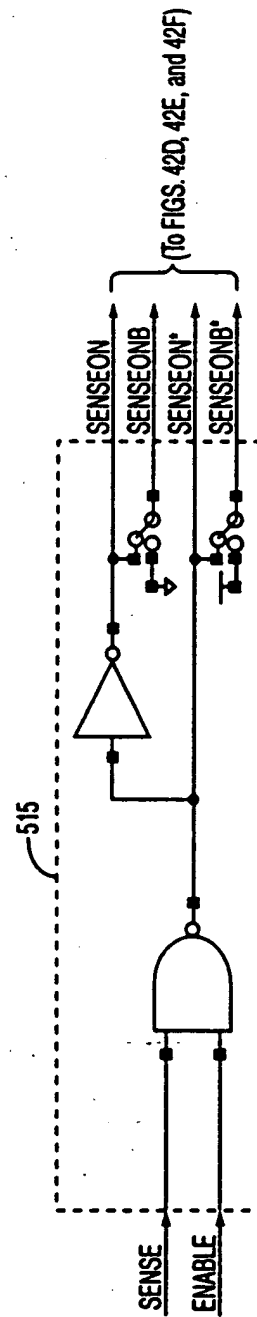


FIG. 42C

100290-1258860

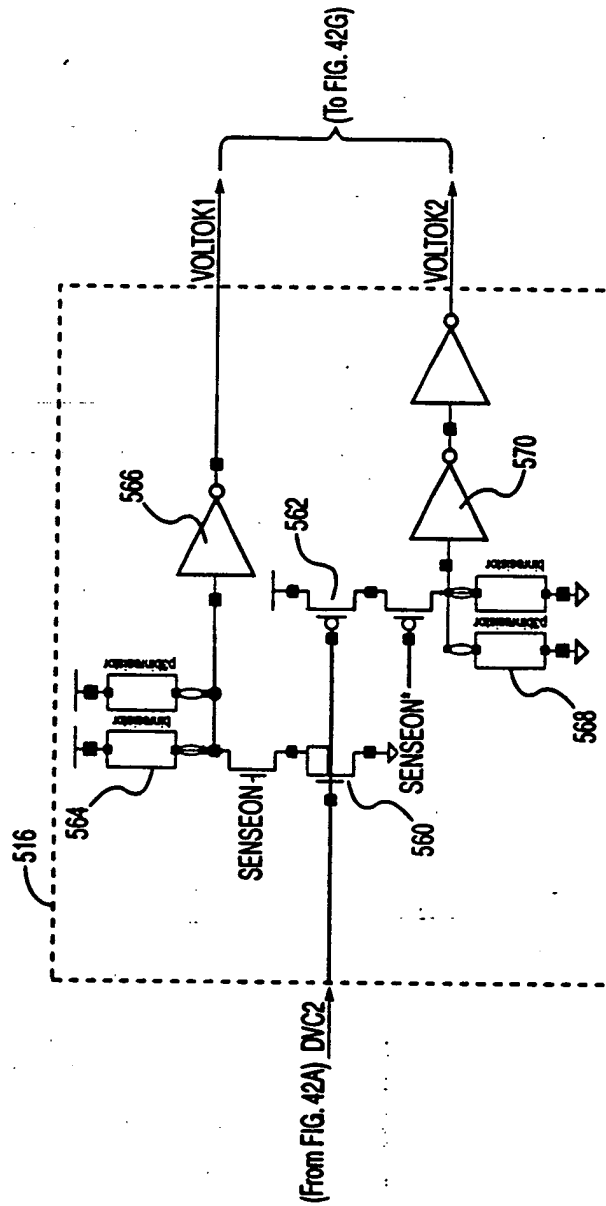


FIG. 42D

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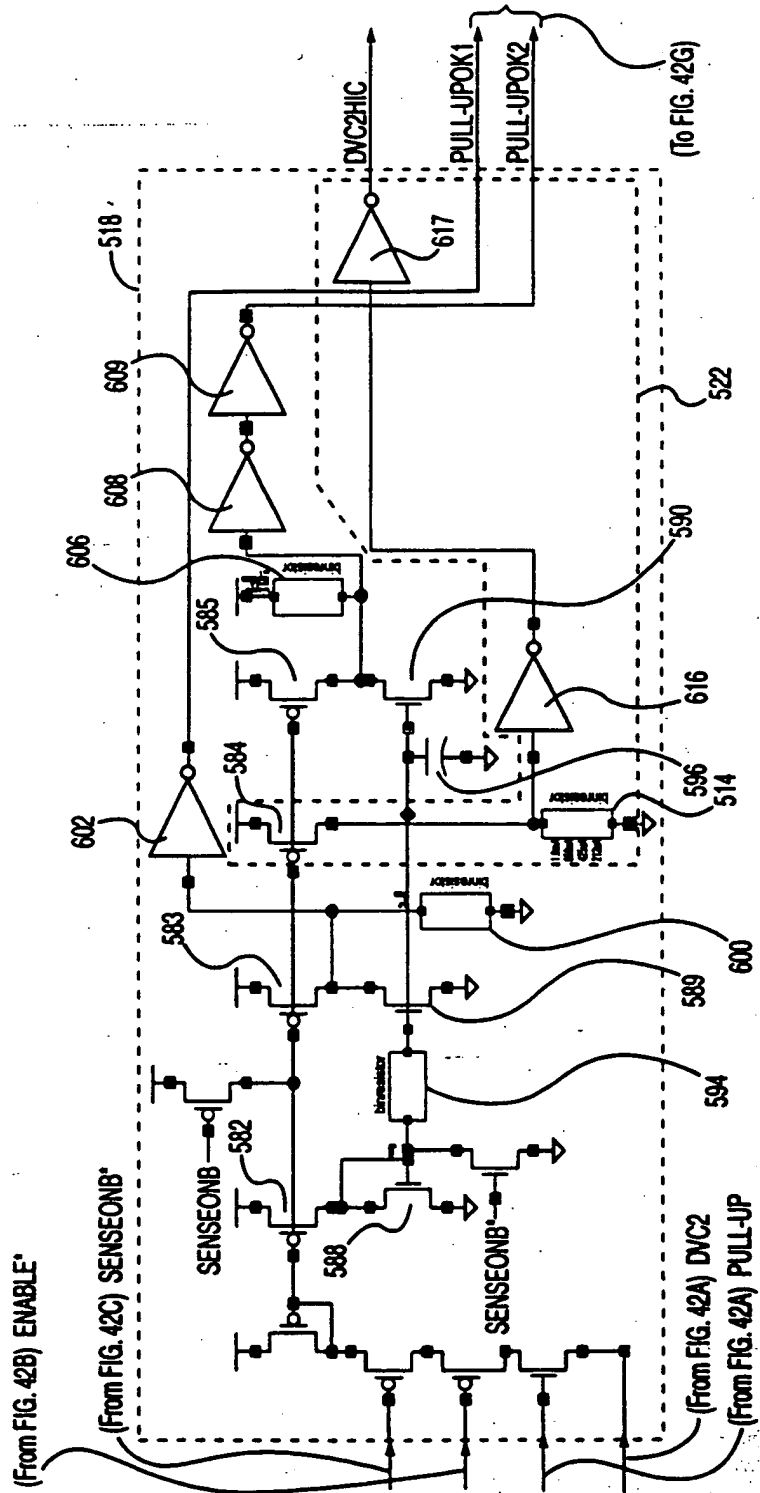


FIG. 42E

1002901/1258860



100290-1258860

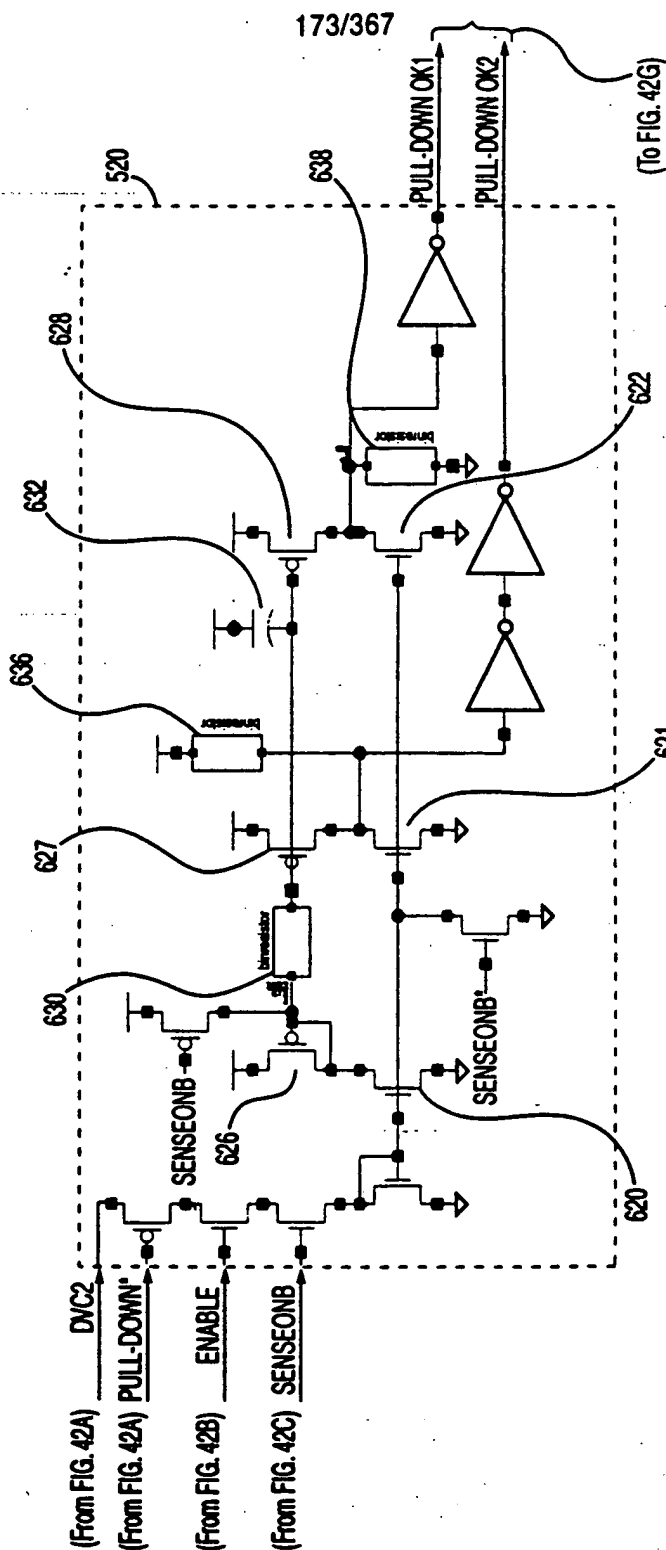


FIG. 42F

100296-71258860

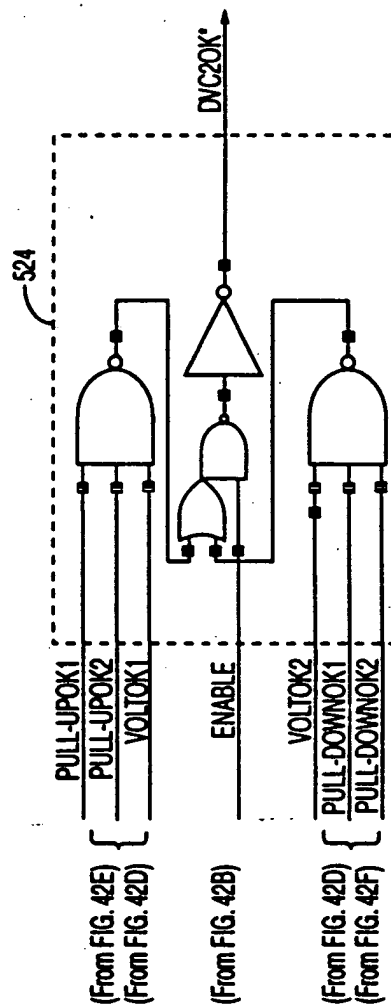


FIG. 42G

100290-062001

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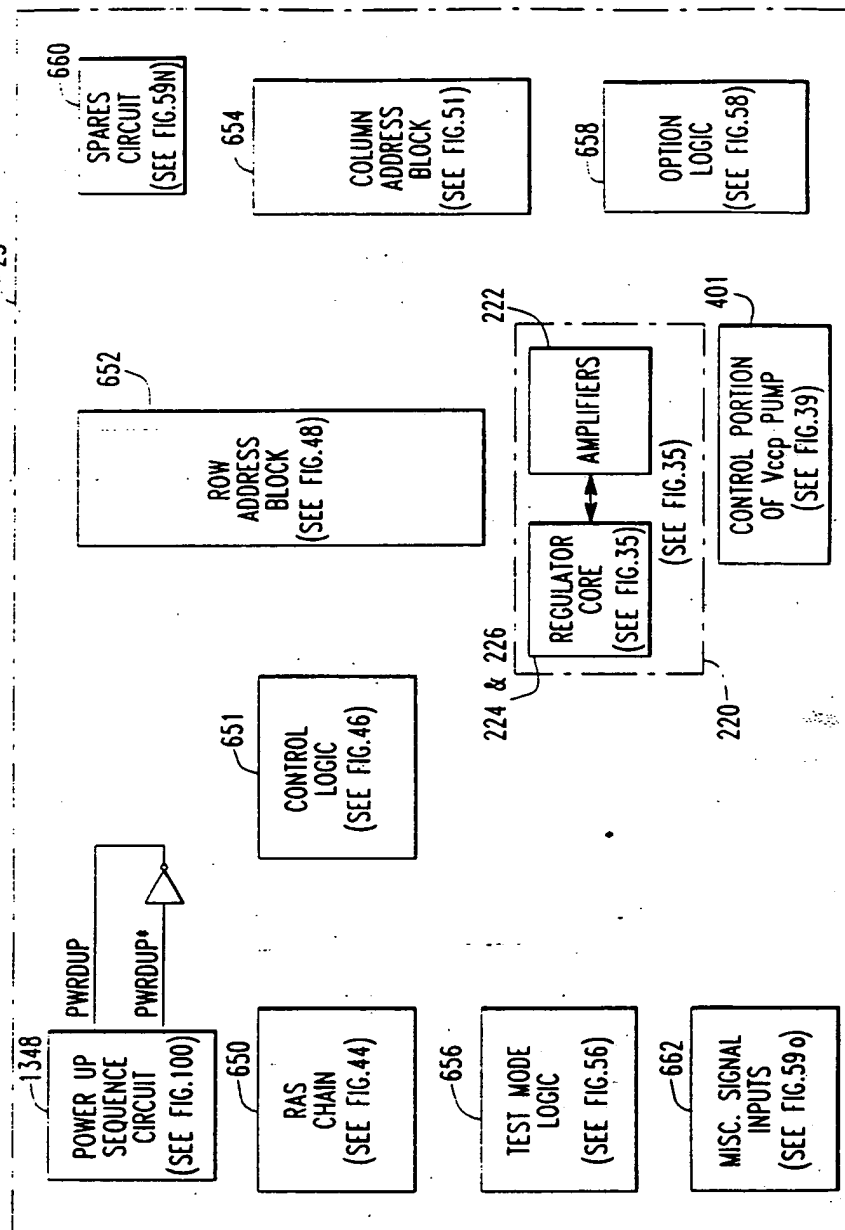
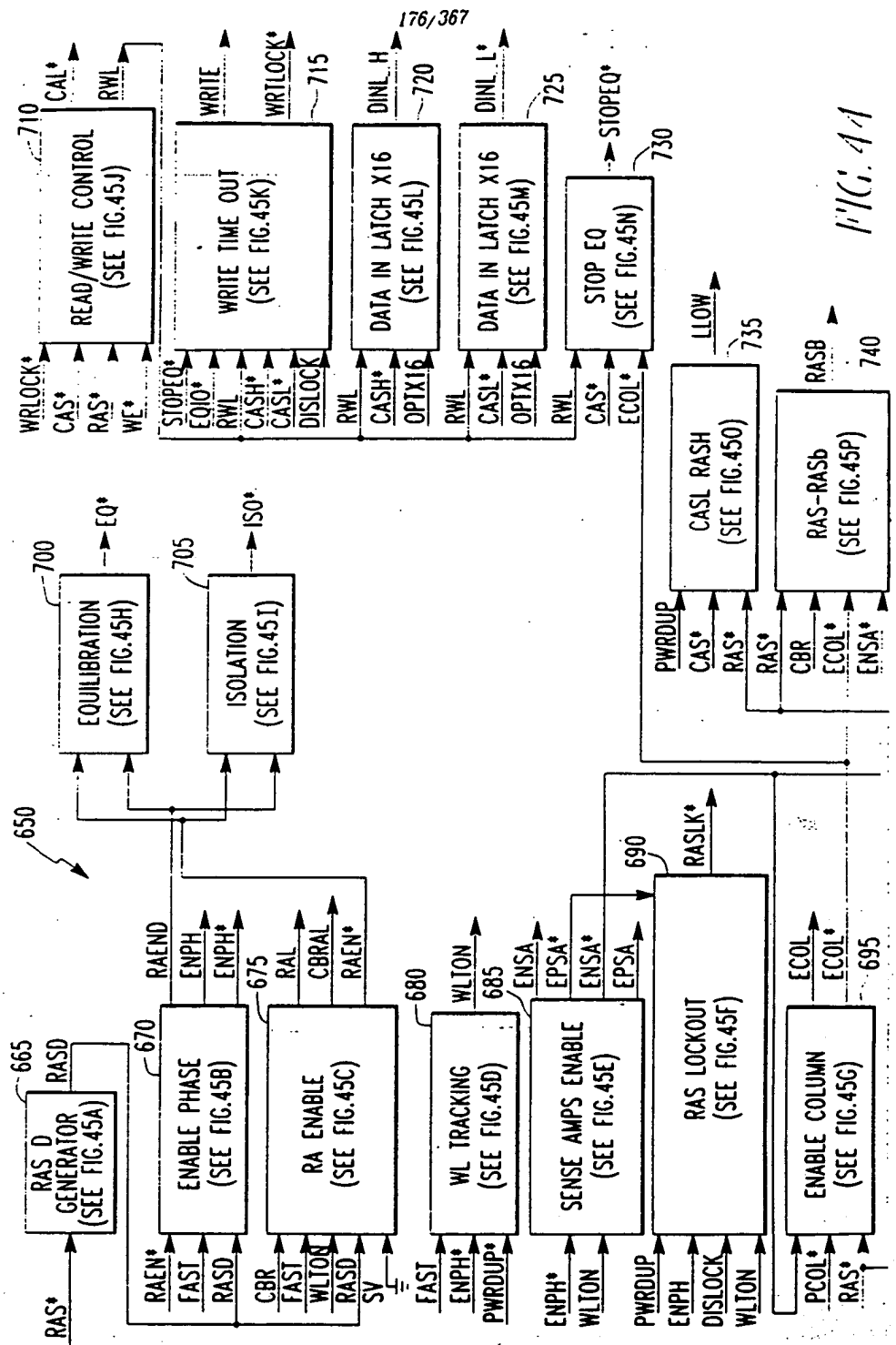


FIG. 4.3

FIG. 4A



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100290 21258860

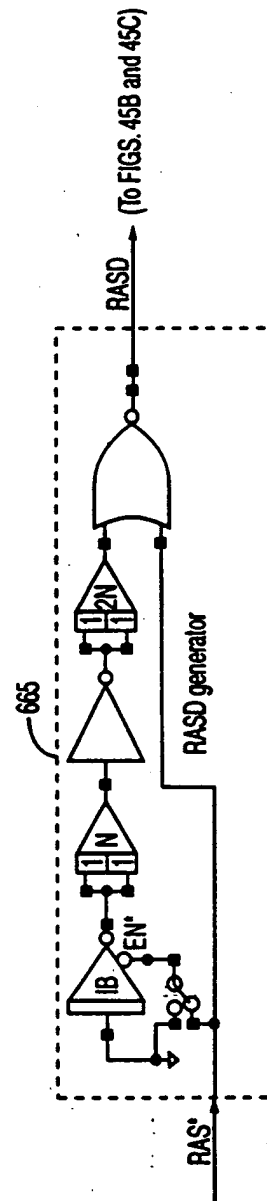
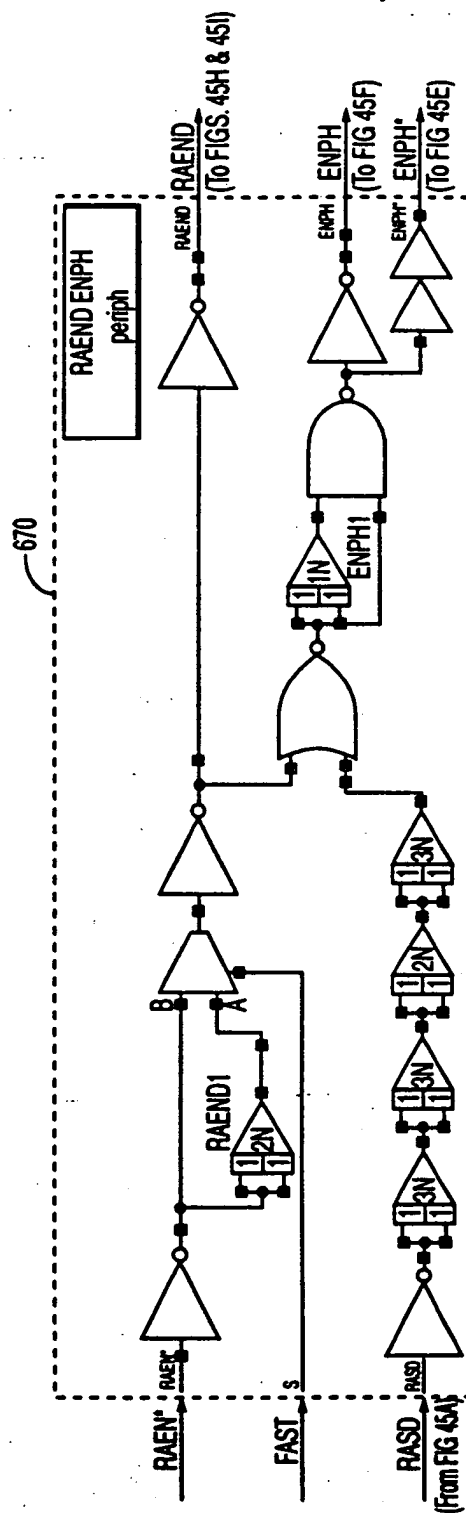


FIG. 45A

SECRET



**FIG. 45B**

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100290-71258860

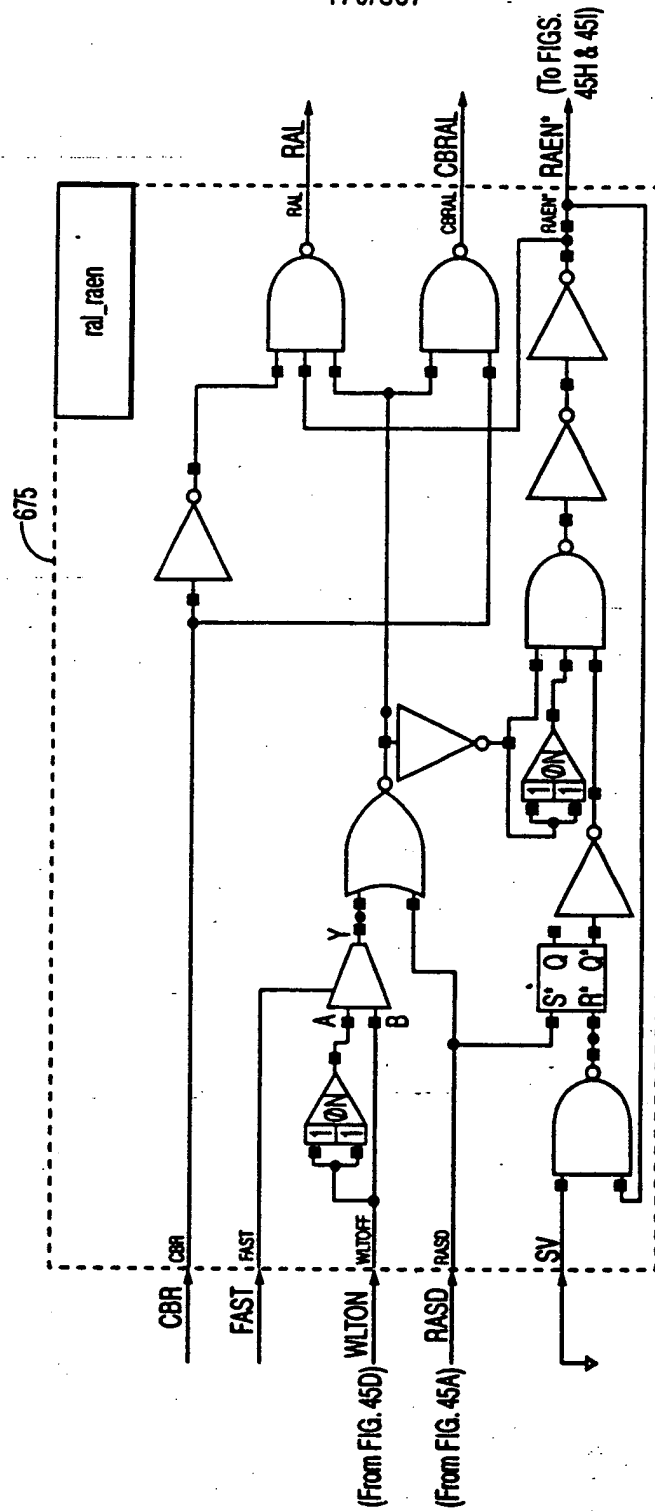


FIG. 45C

11  
T00296-1258860

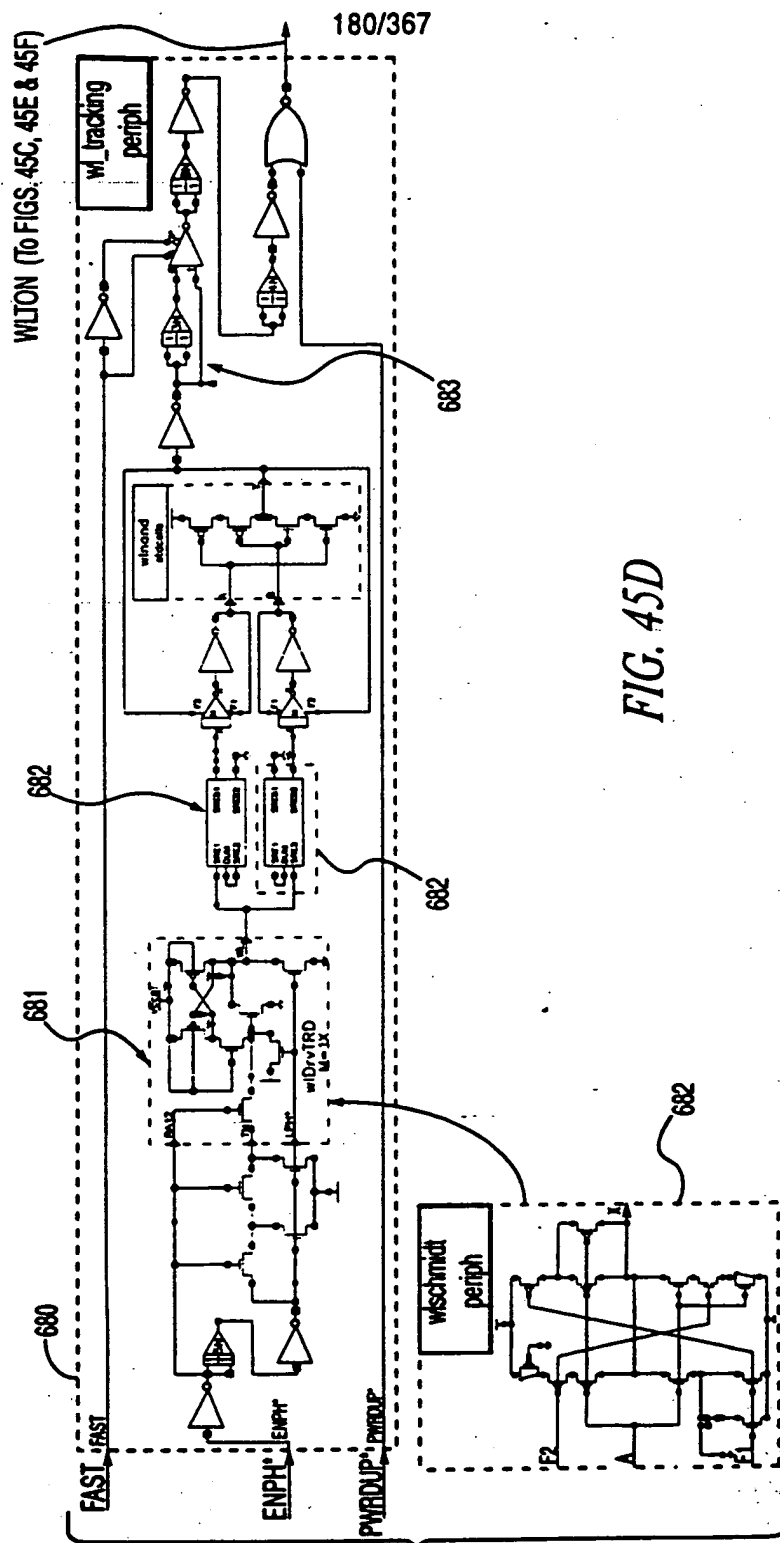


FIG. 45D

(From FIG. 45B)



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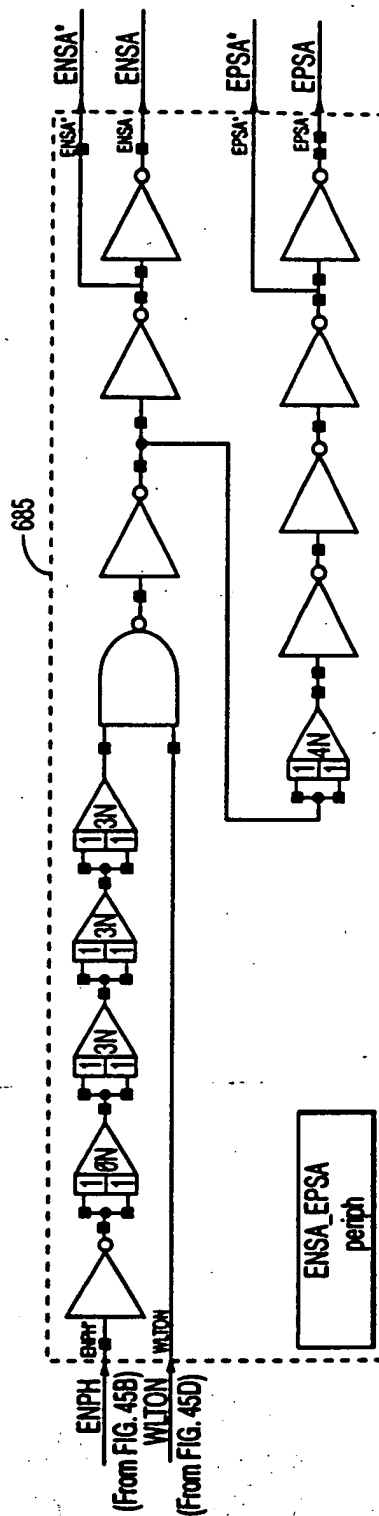


FIG. 45E

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100296: 71258860

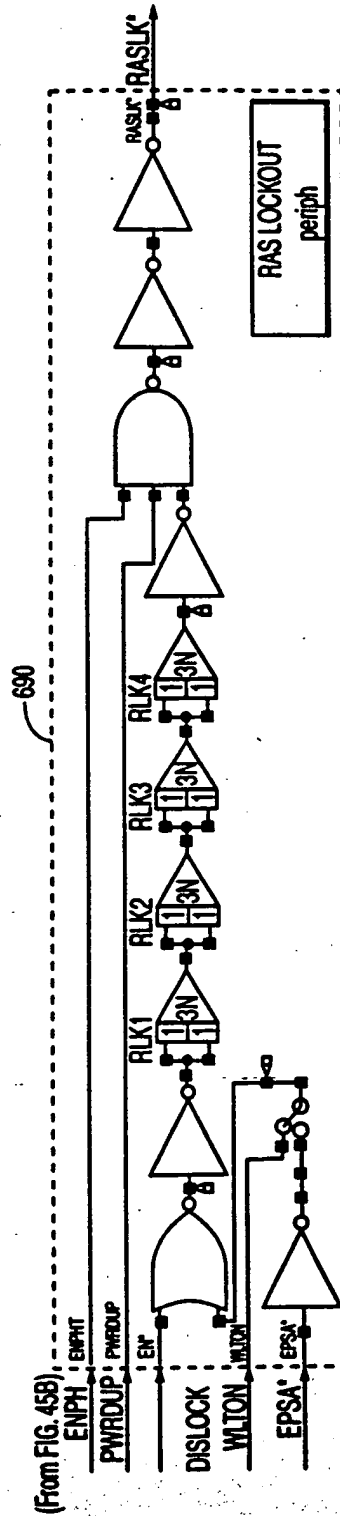


FIG. 45F

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100290-21258860

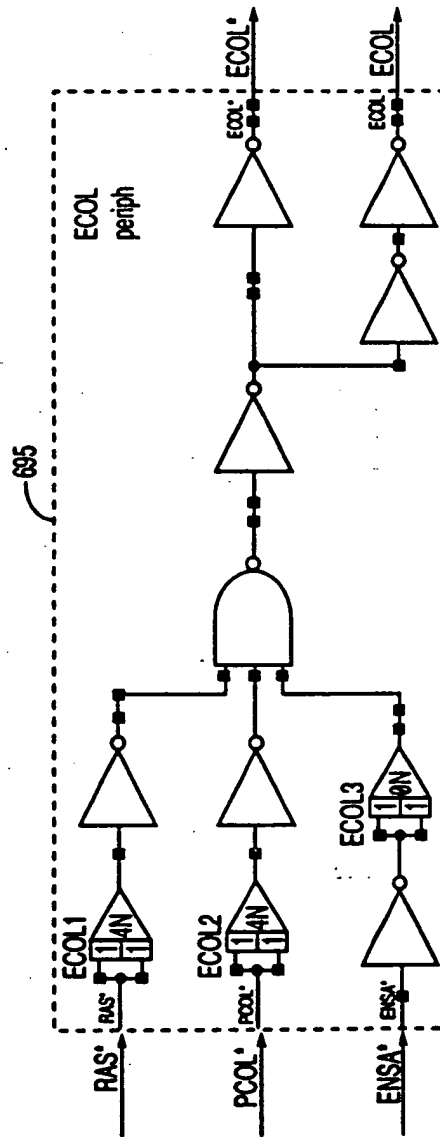


FIG. 45G

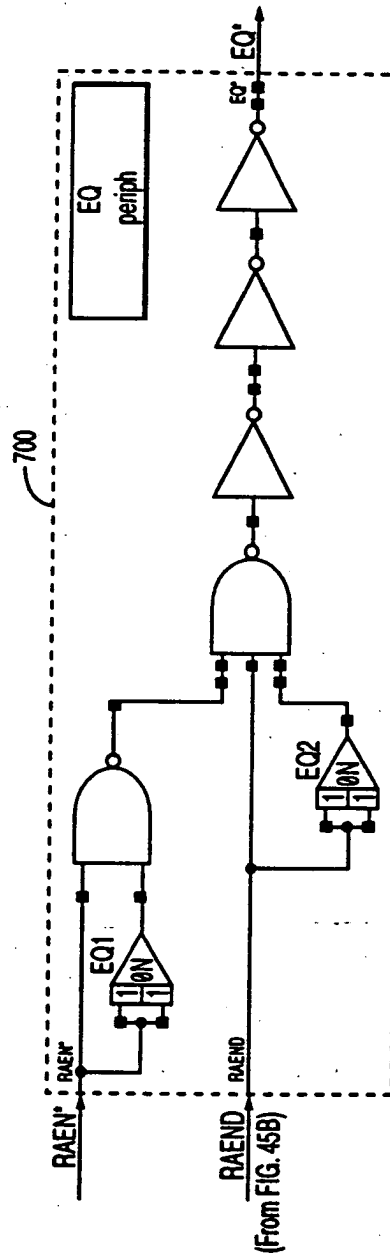
053547-7  
= 464001

FIG. 45H

11  
100250-1258860

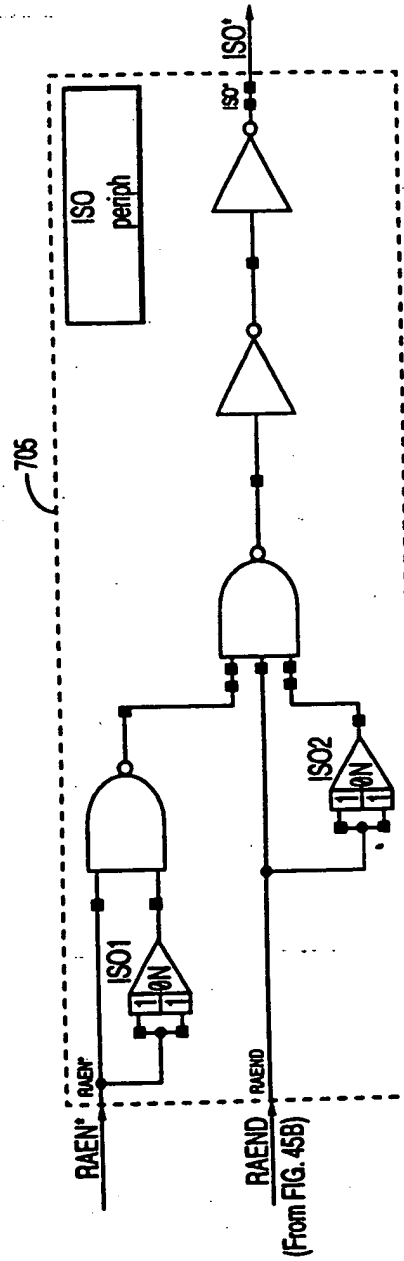


FIG. 45I

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11  
T00290 / T258860

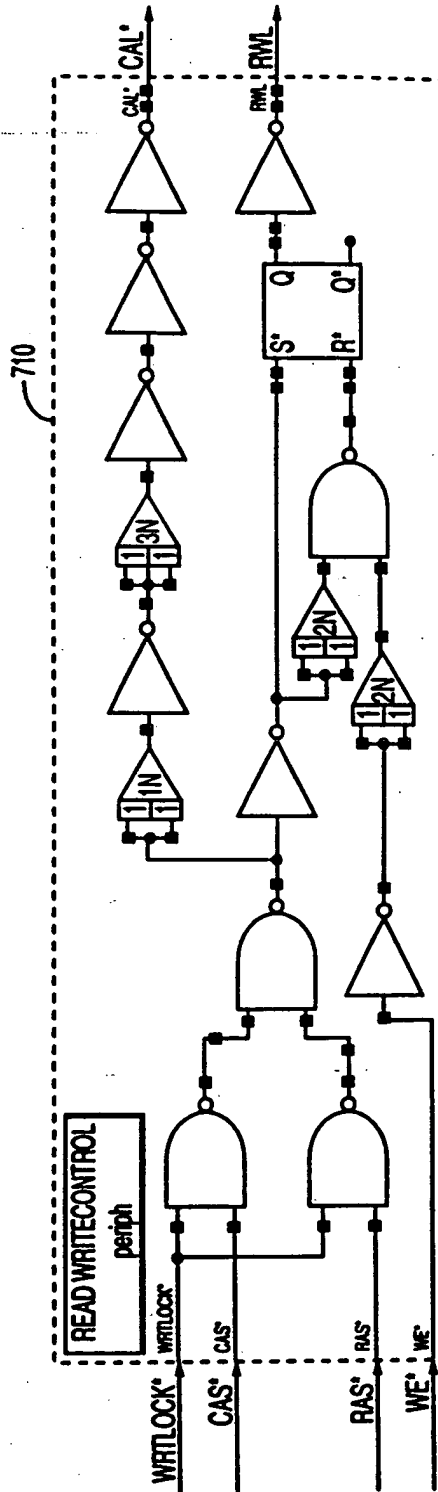


FIG. 45J

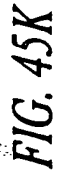
\_\_\_\_\_

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**writeTimeout**  
**periph**

**WRITE**

**WATLOCK! WATLOCK!**



三六

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100290-71258860

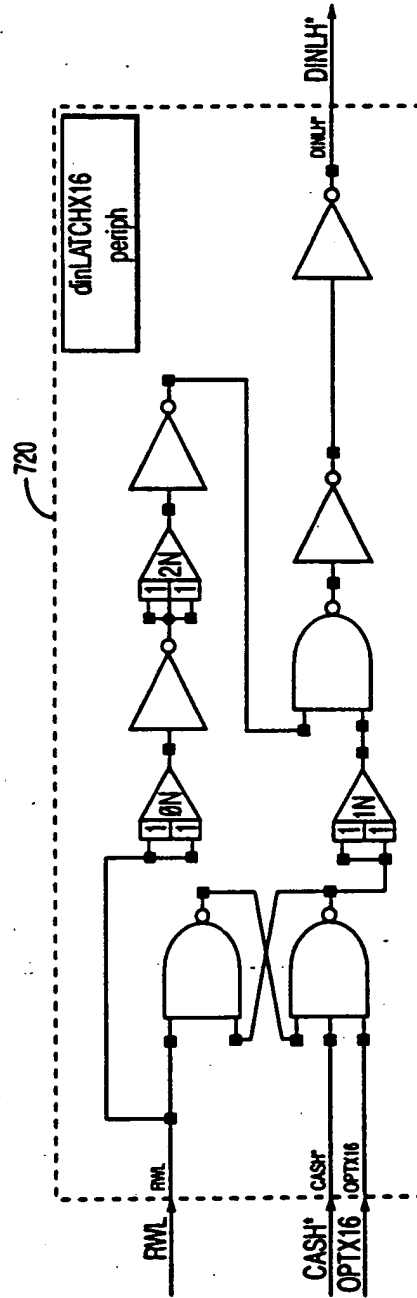


FIG. 45L



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FIG. 45M

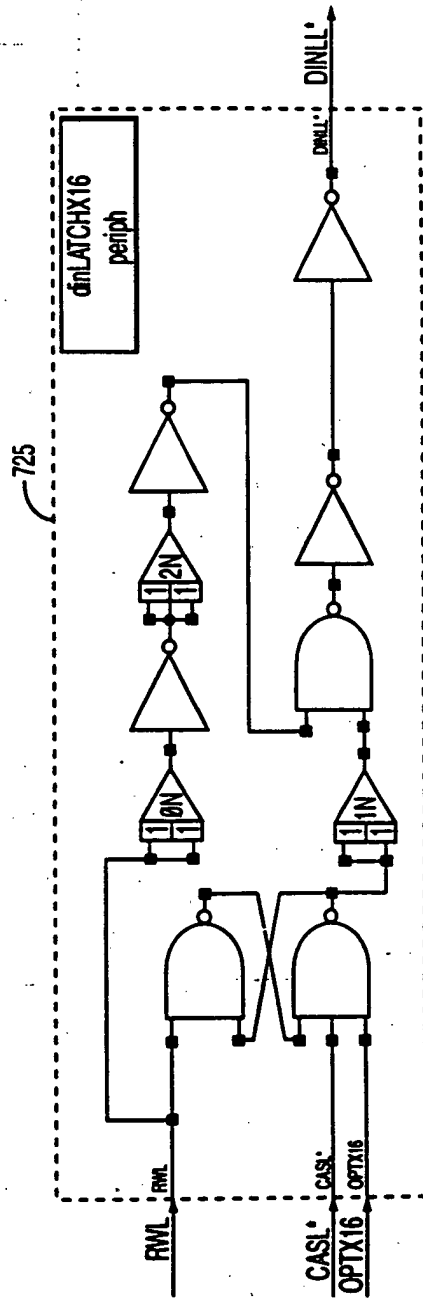


FIG. 45M

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11  
F00296-21258860

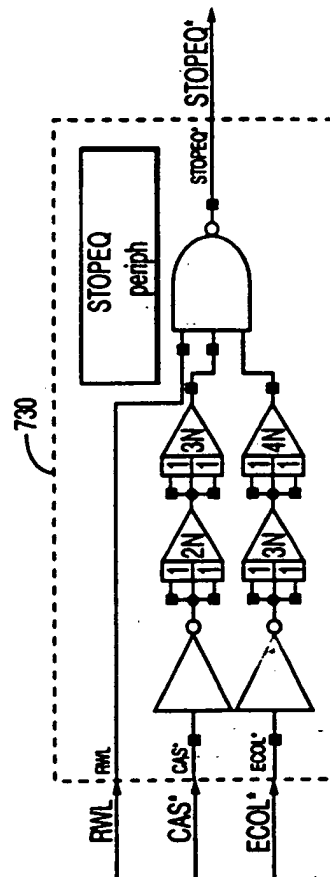


FIG. 45N

100290-2258860

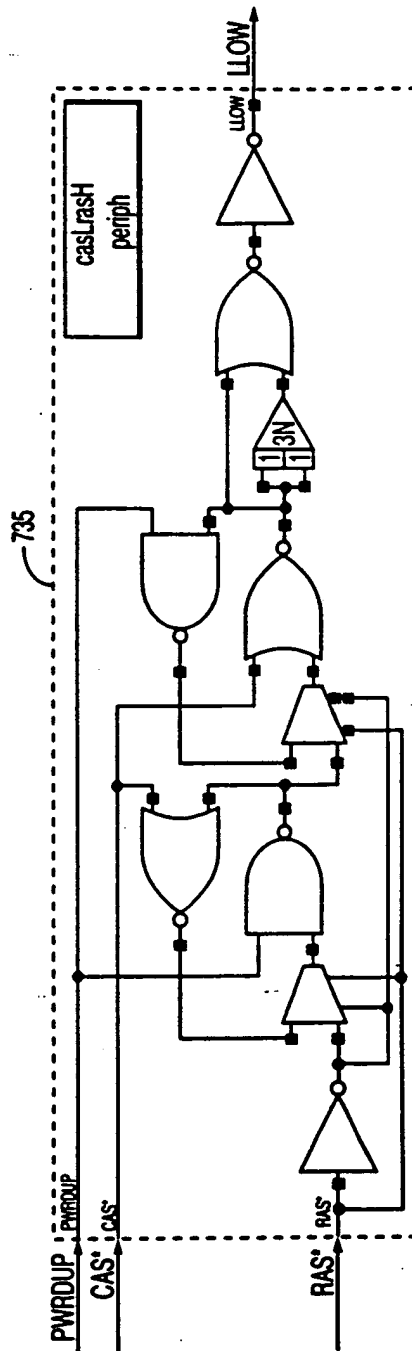


FIG. 450

11  
T00290/1258860

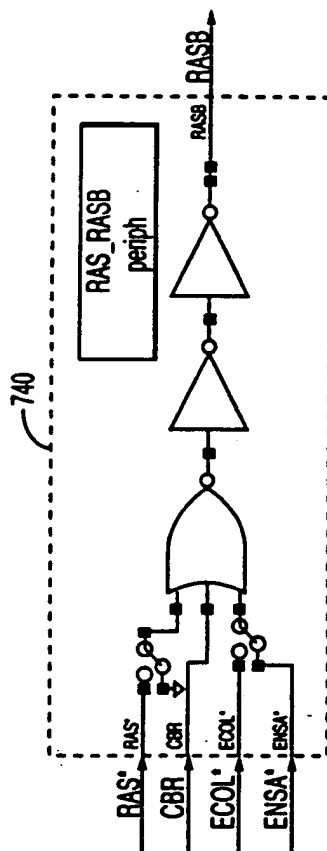


FIG. 45P

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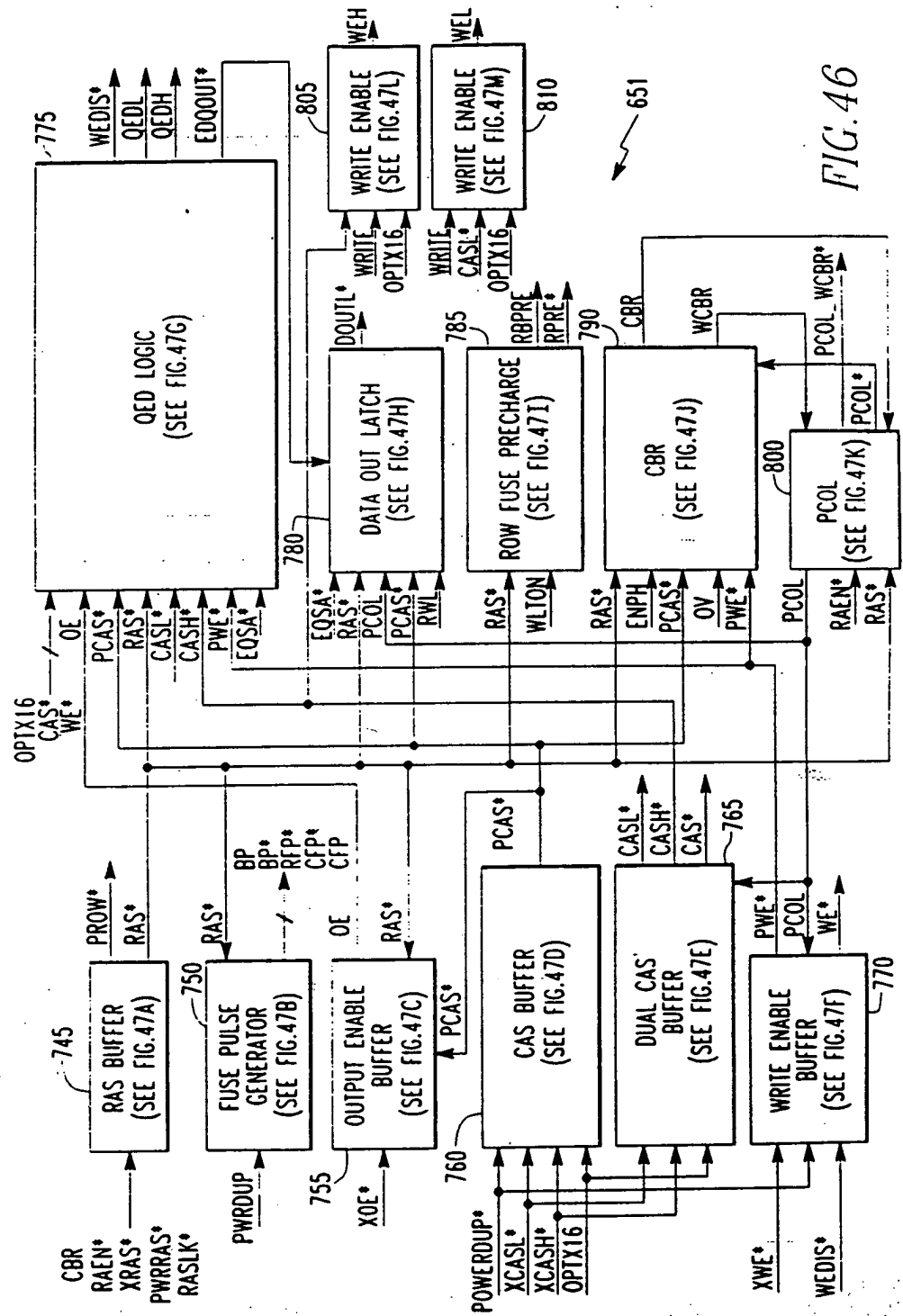


FIG. 46

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11  
T00290-1258860

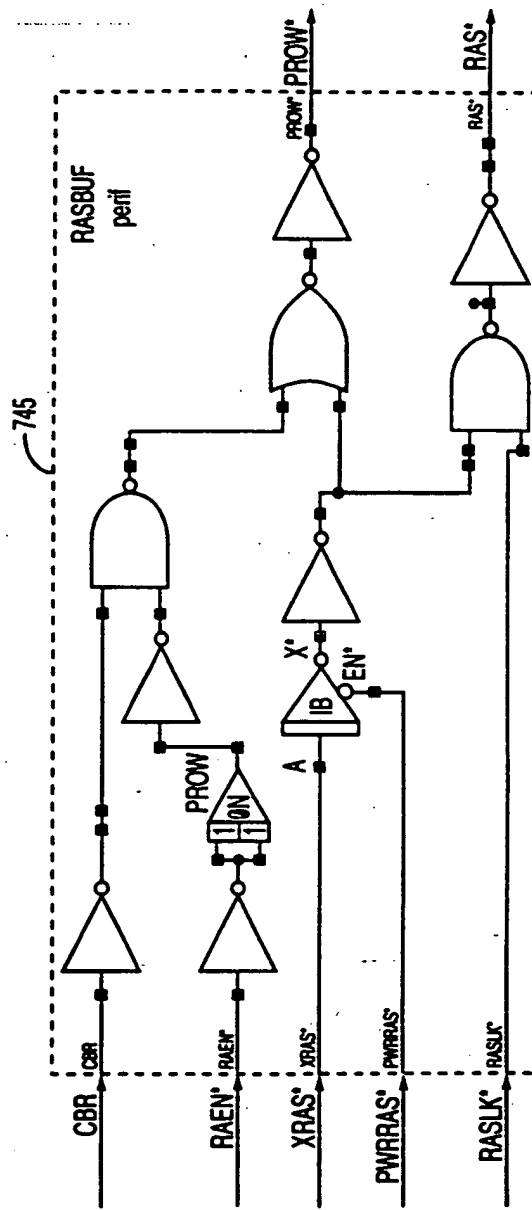


FIG. 47A

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100296-71258860

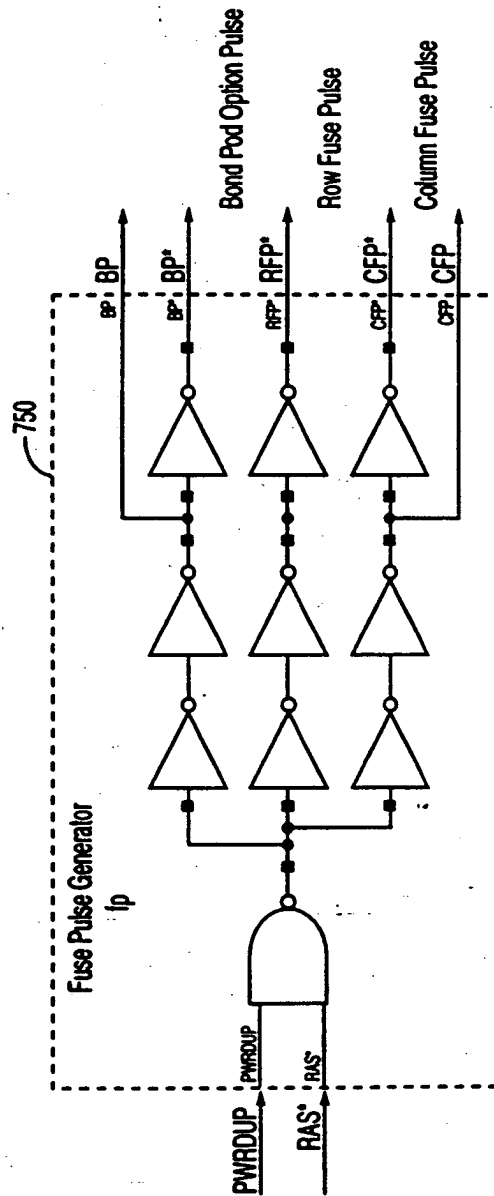


FIG. 47B

100290-1258860

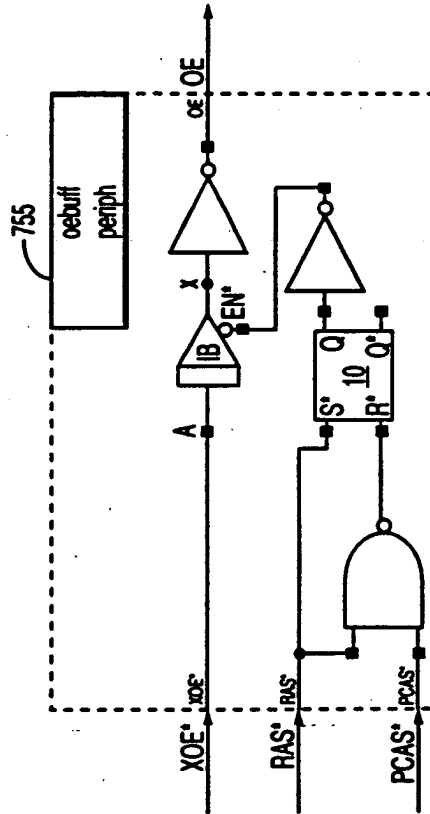


FIG. 47C



100290/1258860

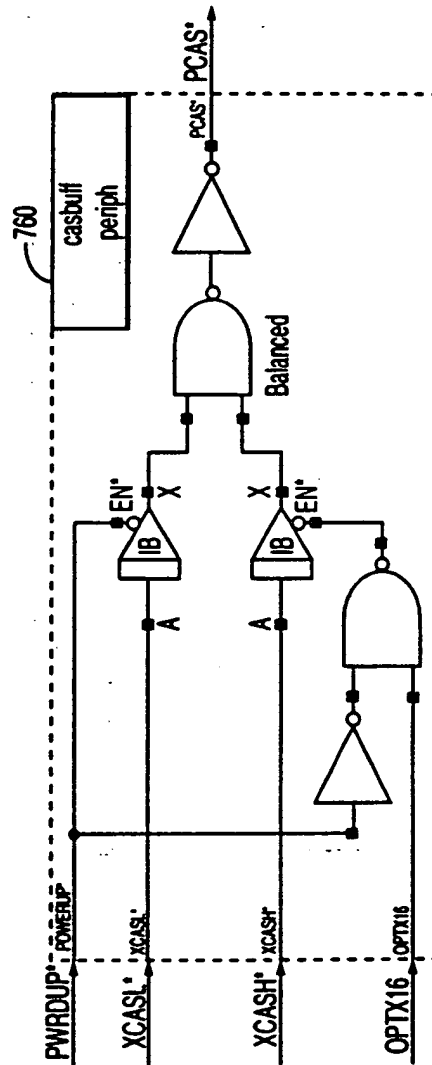


FIG. 47D

11  
T00290-7258860

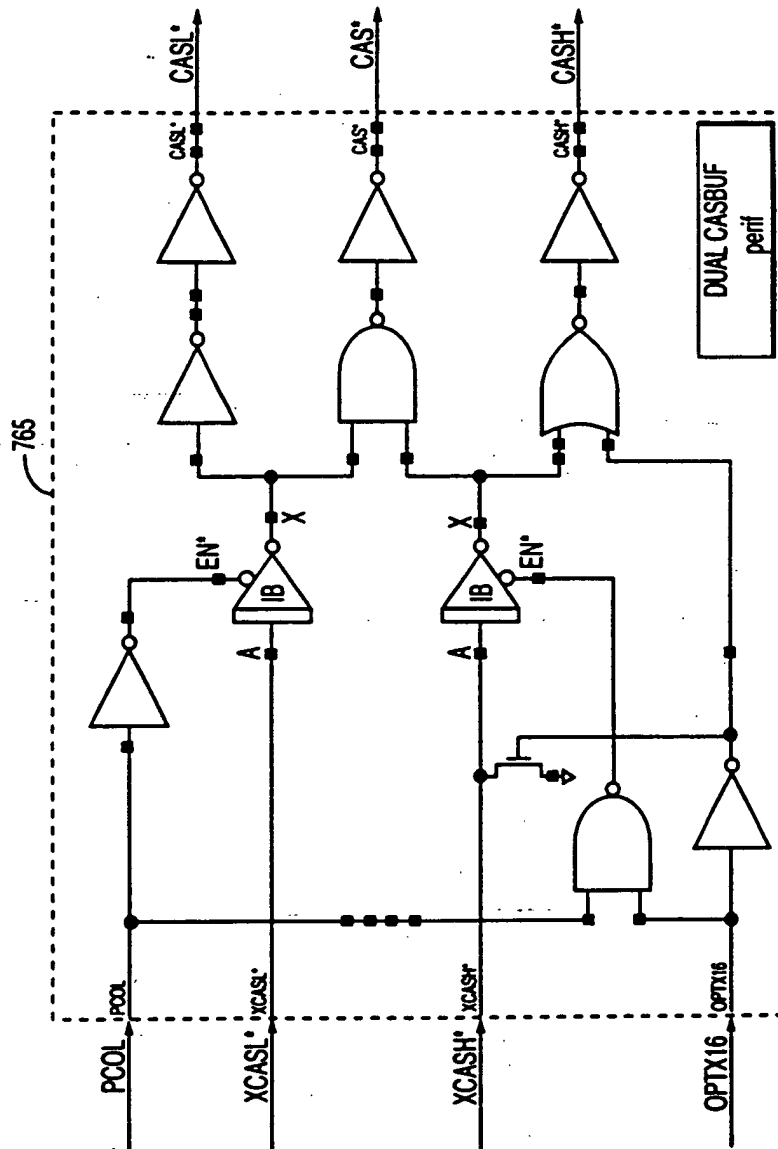


FIG. 47E

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100290: 21258860

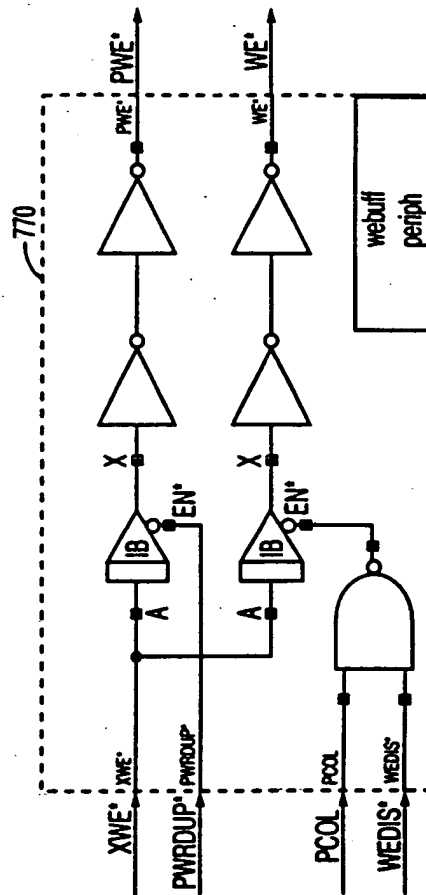


FIG. 47F

11  
100290-2258860

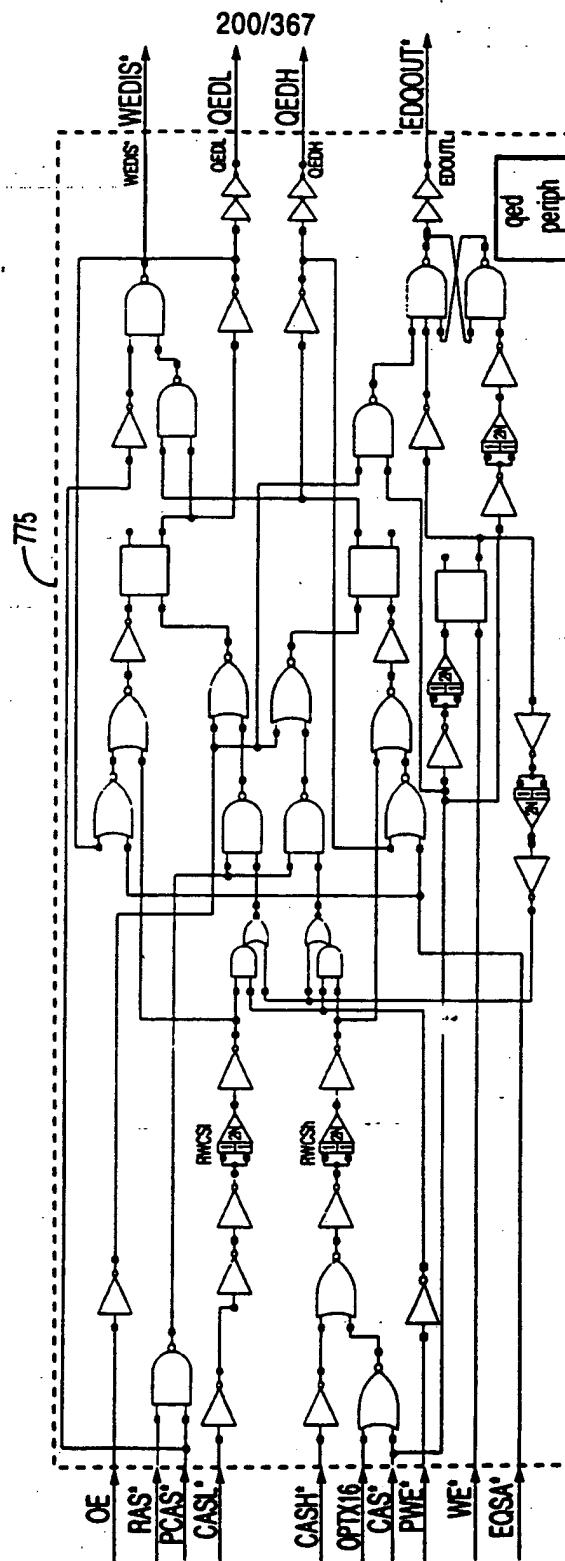


FIG. 47G

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11  
100296-21258860

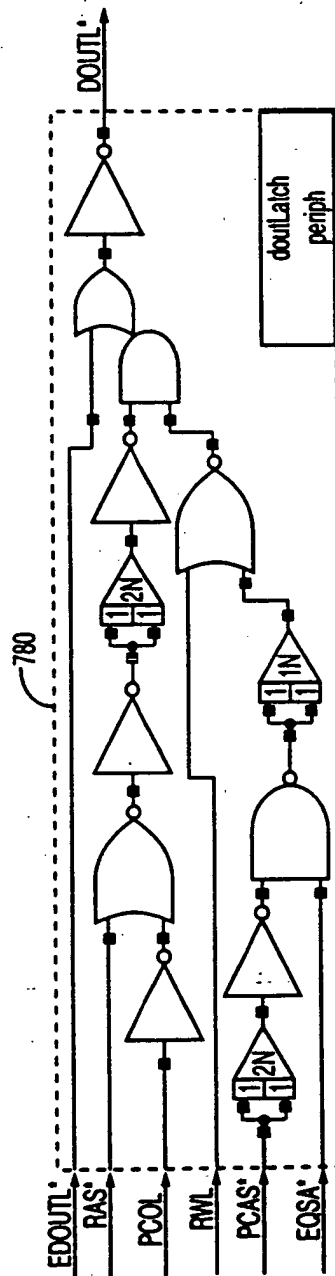


FIG. 47H

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100290-1258860

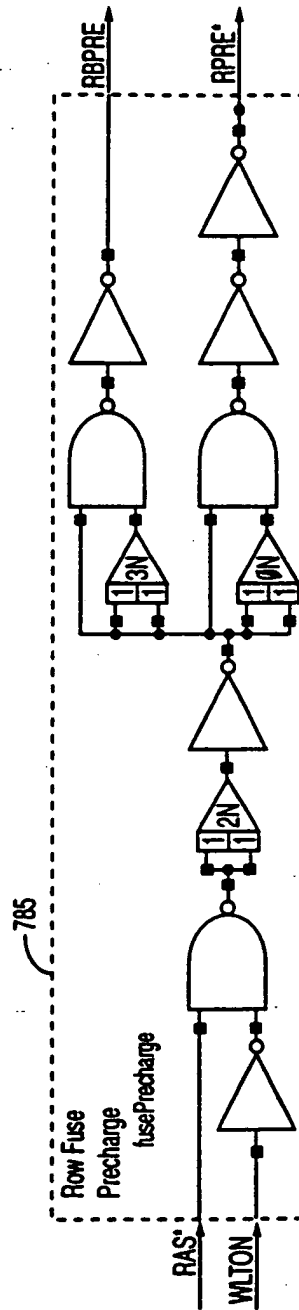


FIG. 471

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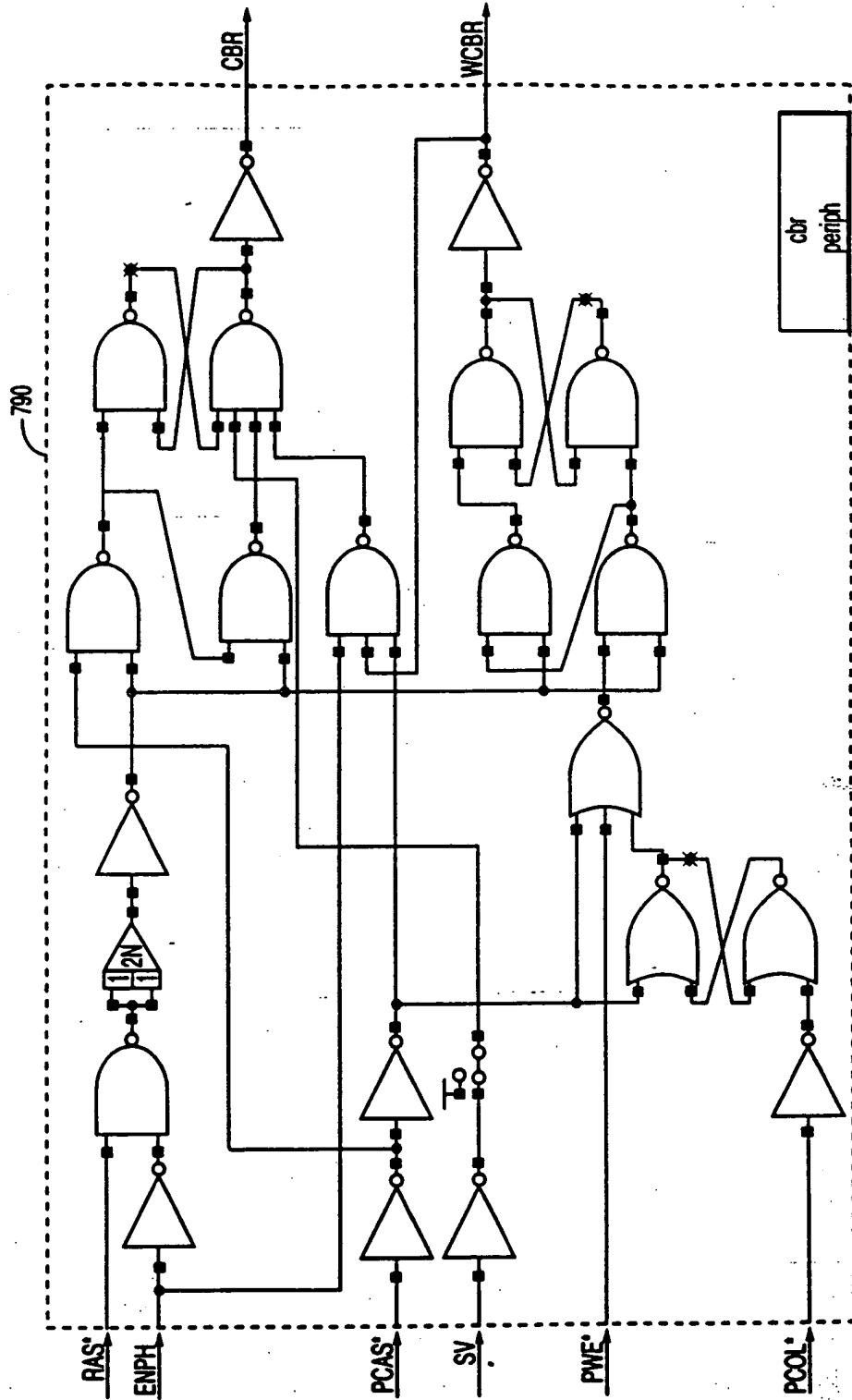


FIG. 47J

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100290-21258860

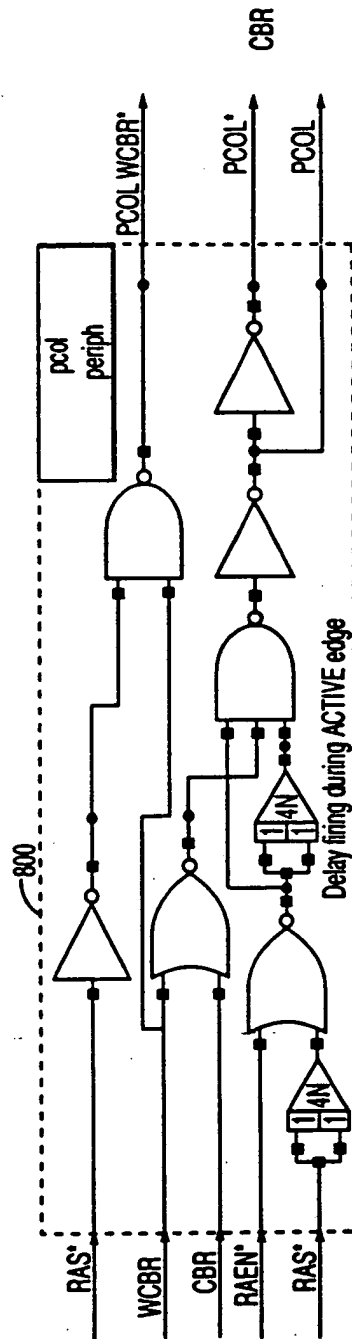


FIG. 47K



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100290-11258860

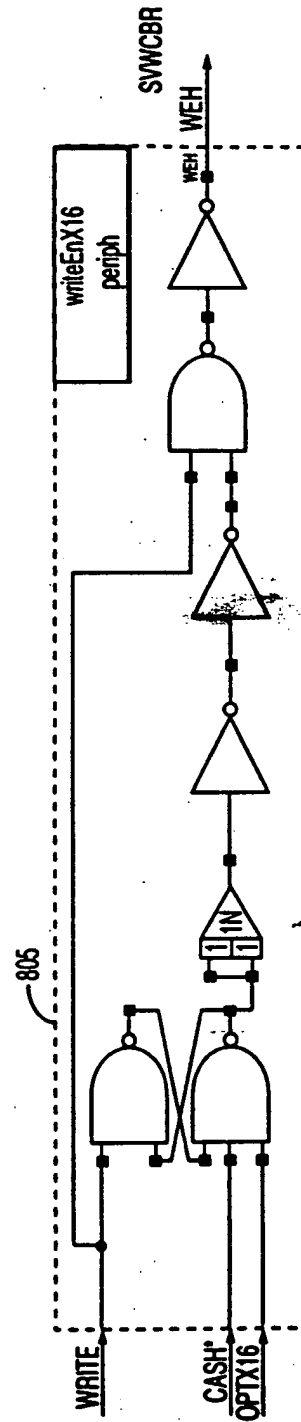


FIG. 47L

100296-7258860

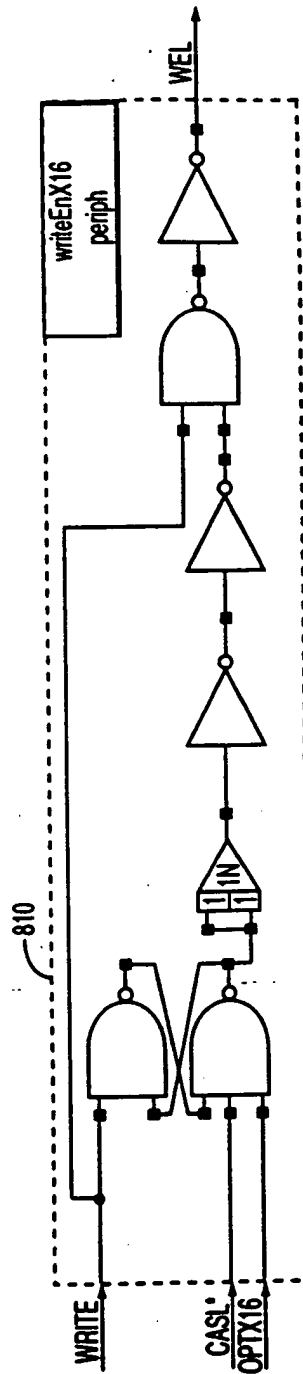


FIG. 47M

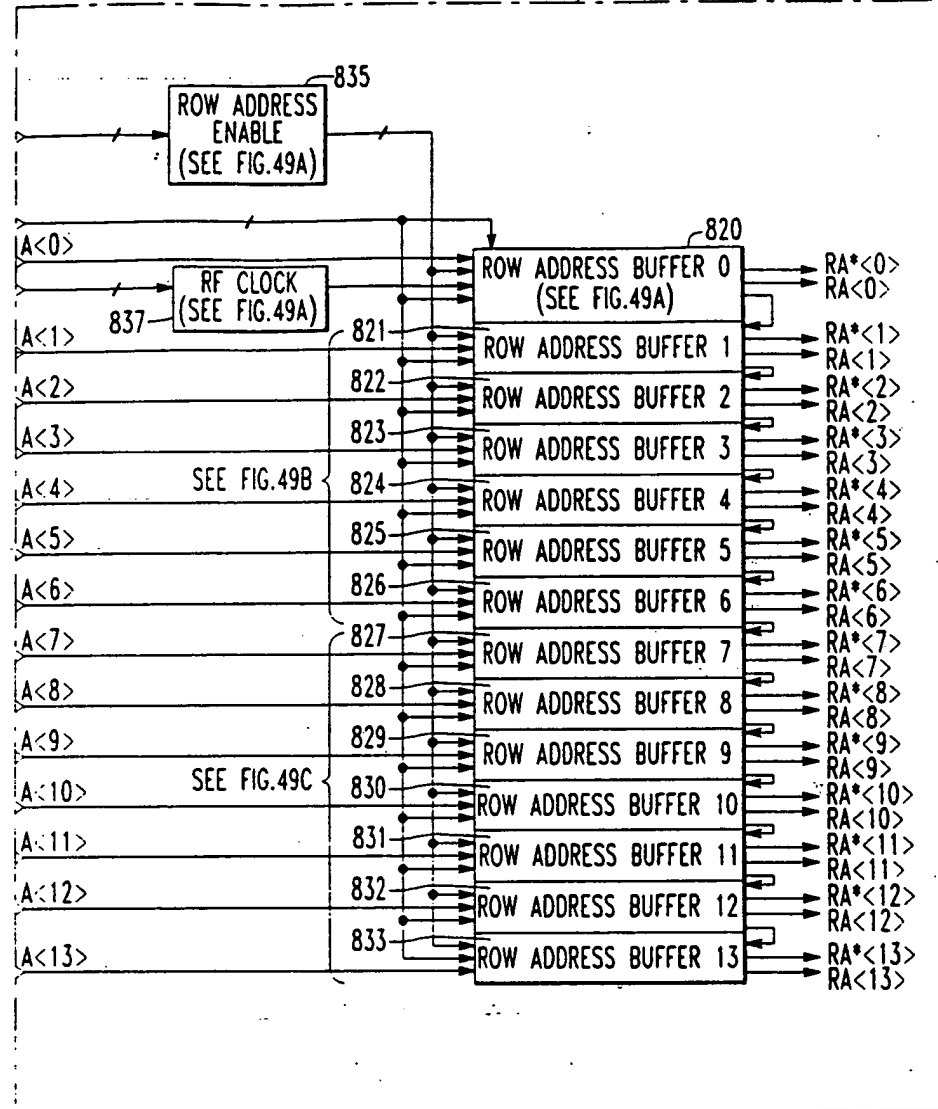


FIG. 48A

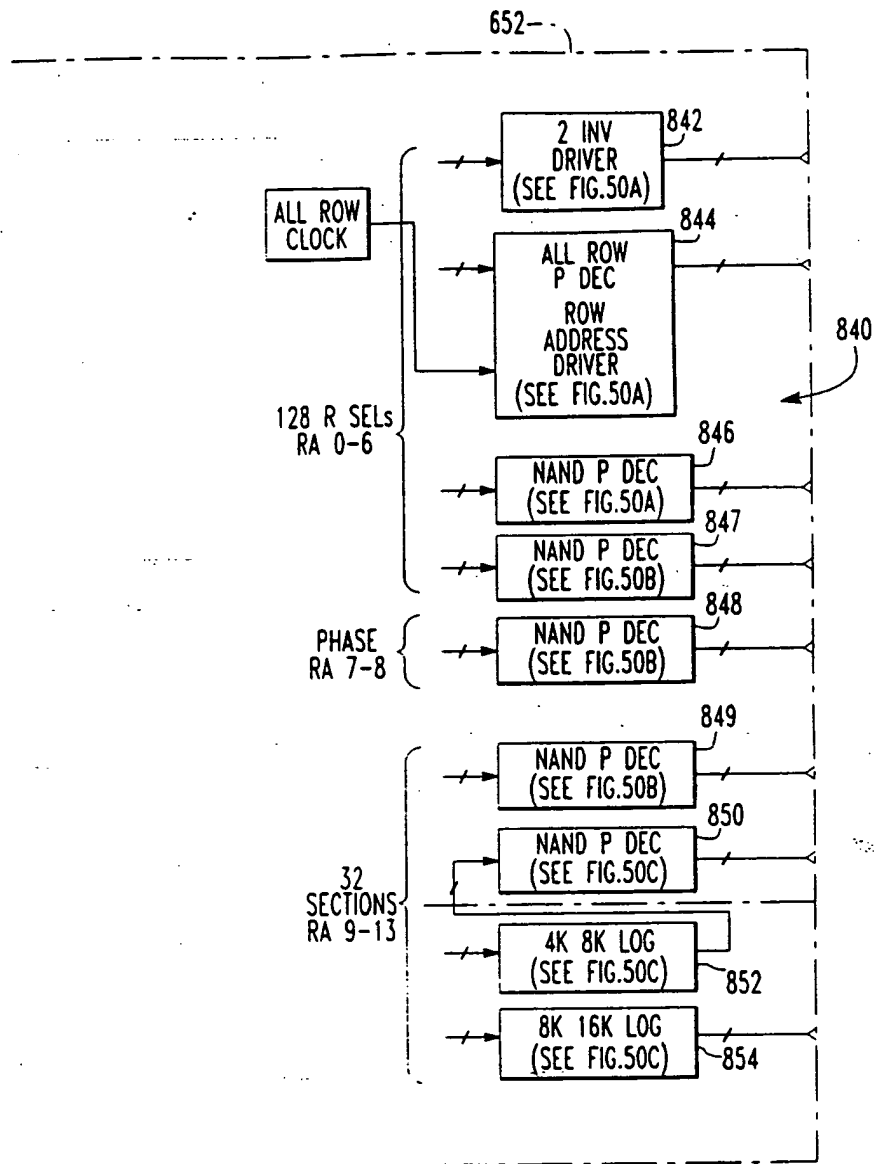


FIG. 48B

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10029071258860

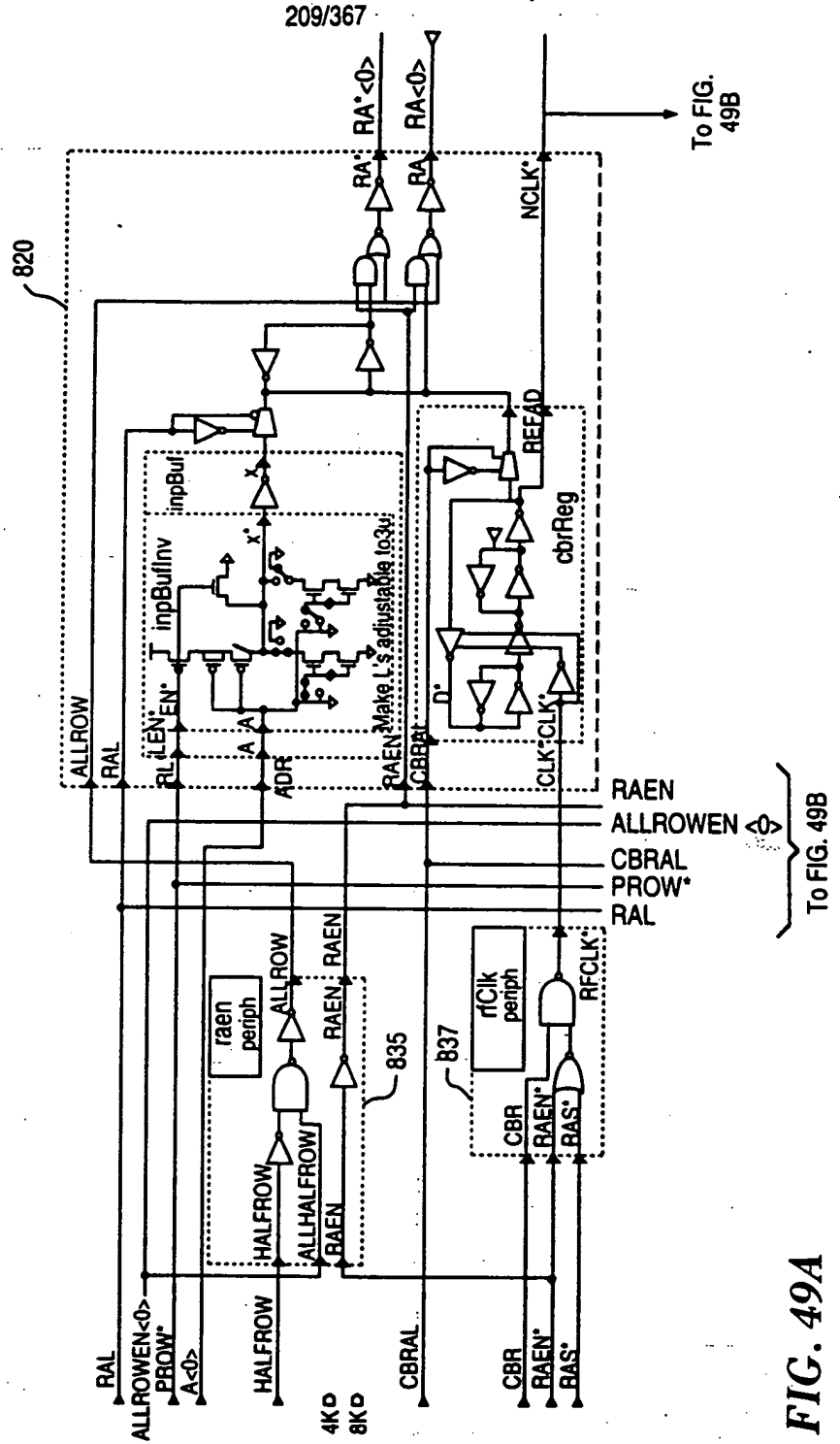


FIG. 49A

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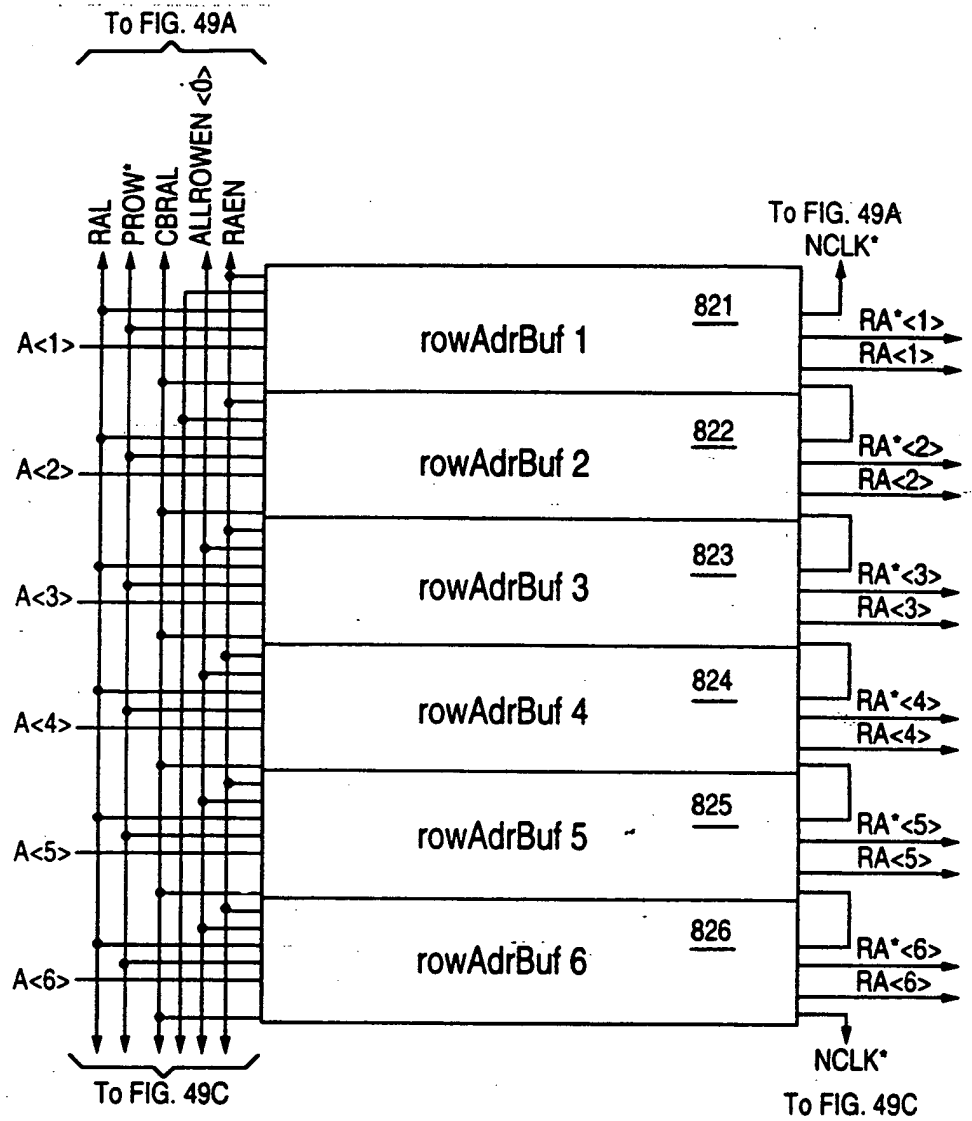


FIG. 49B

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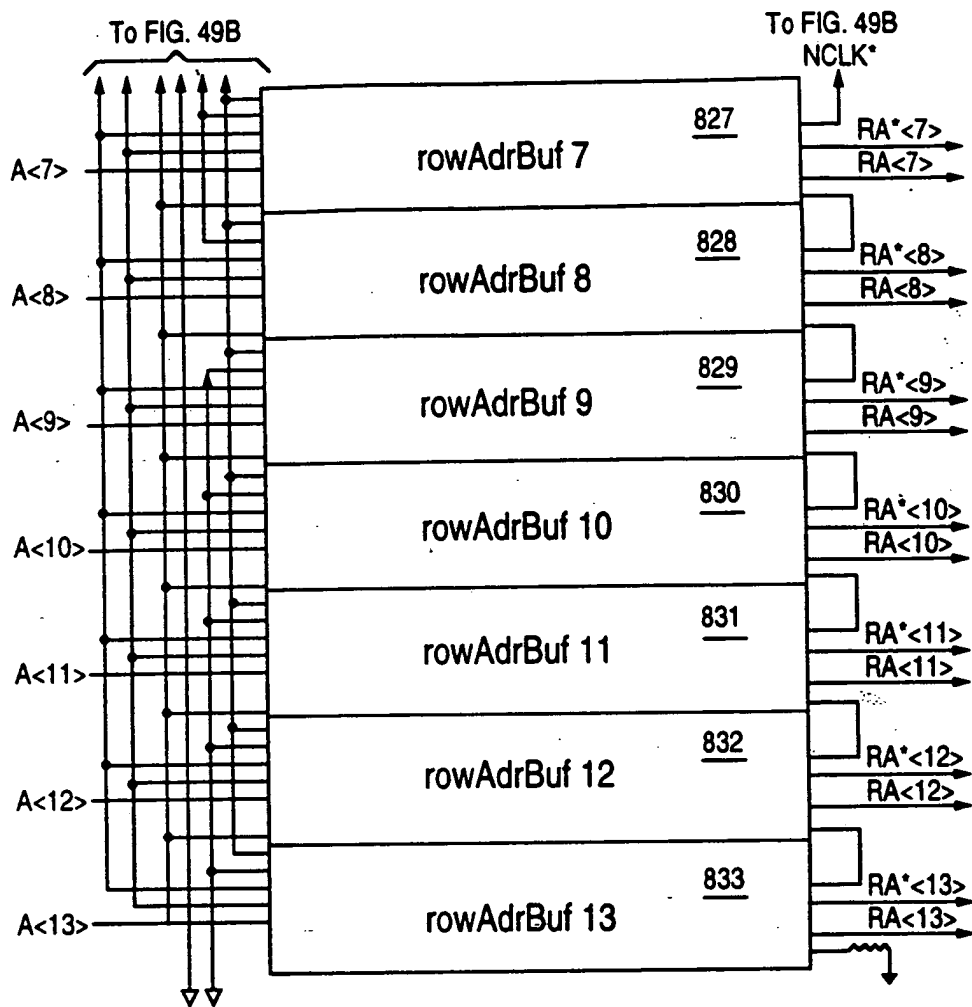


FIG. 49C

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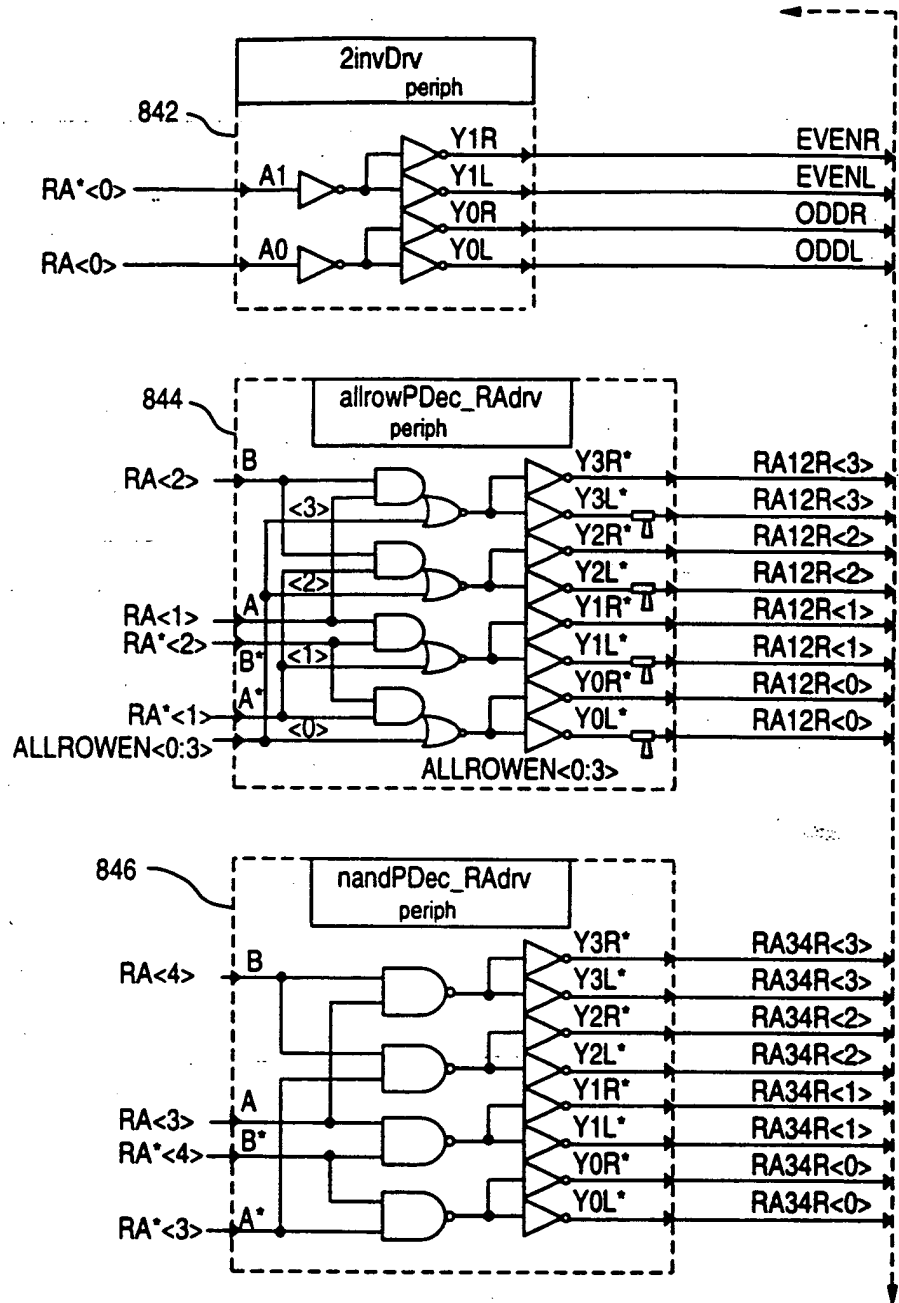


FIG. 50A



0985217-052001

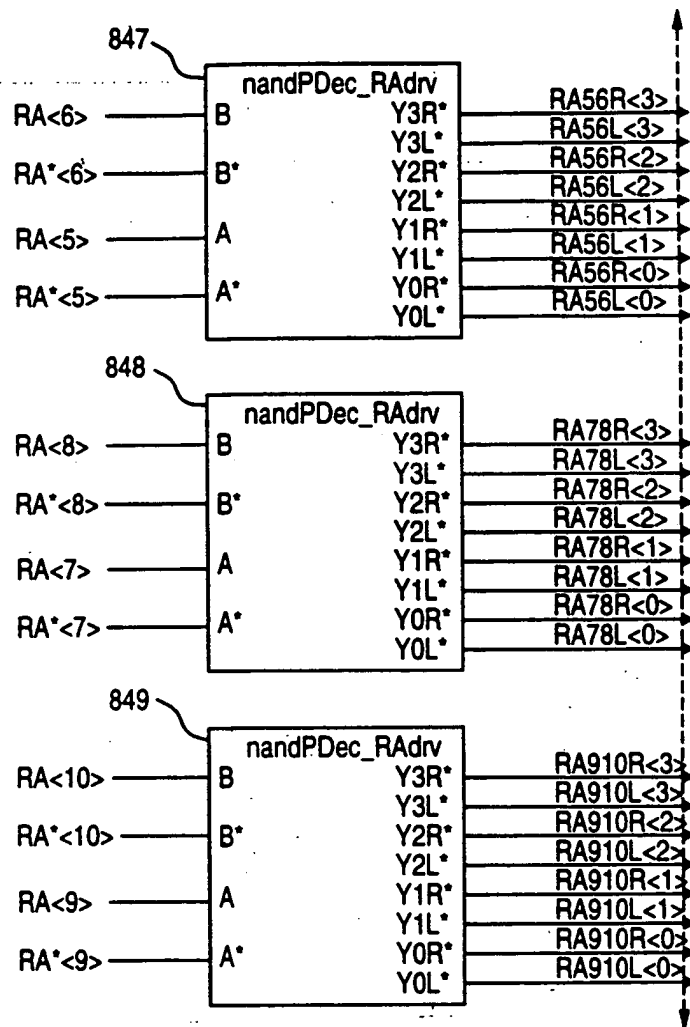


FIG. 50B

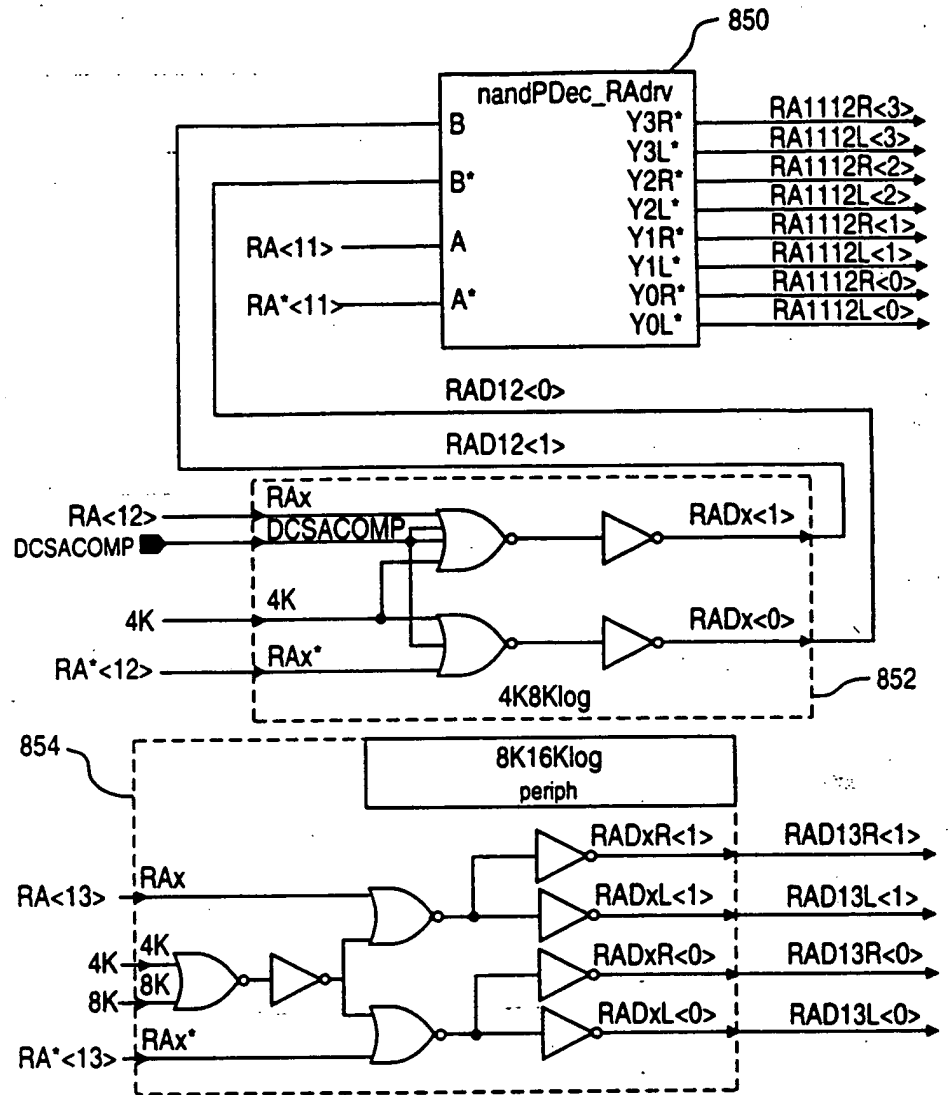


FIG. 50C

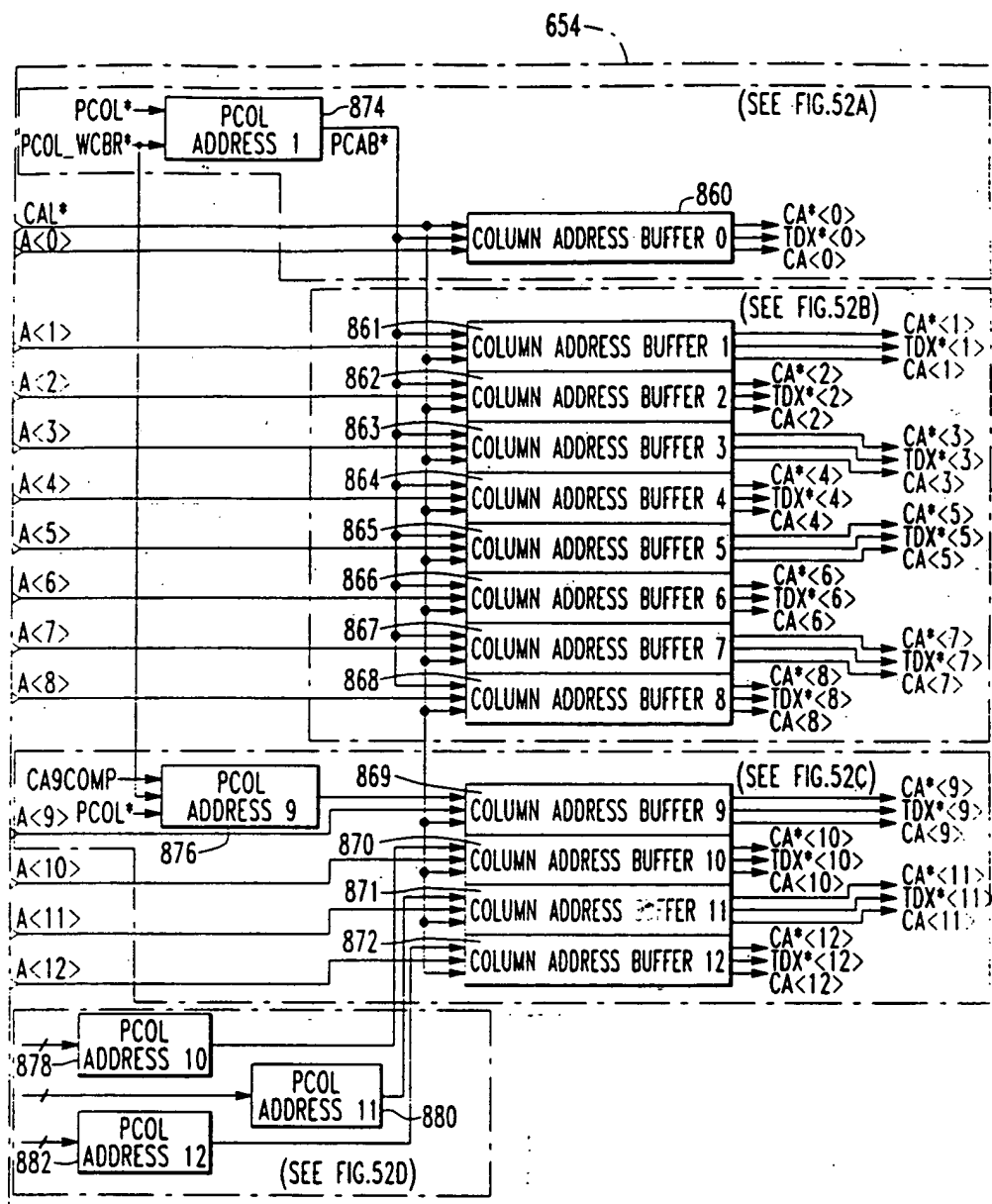
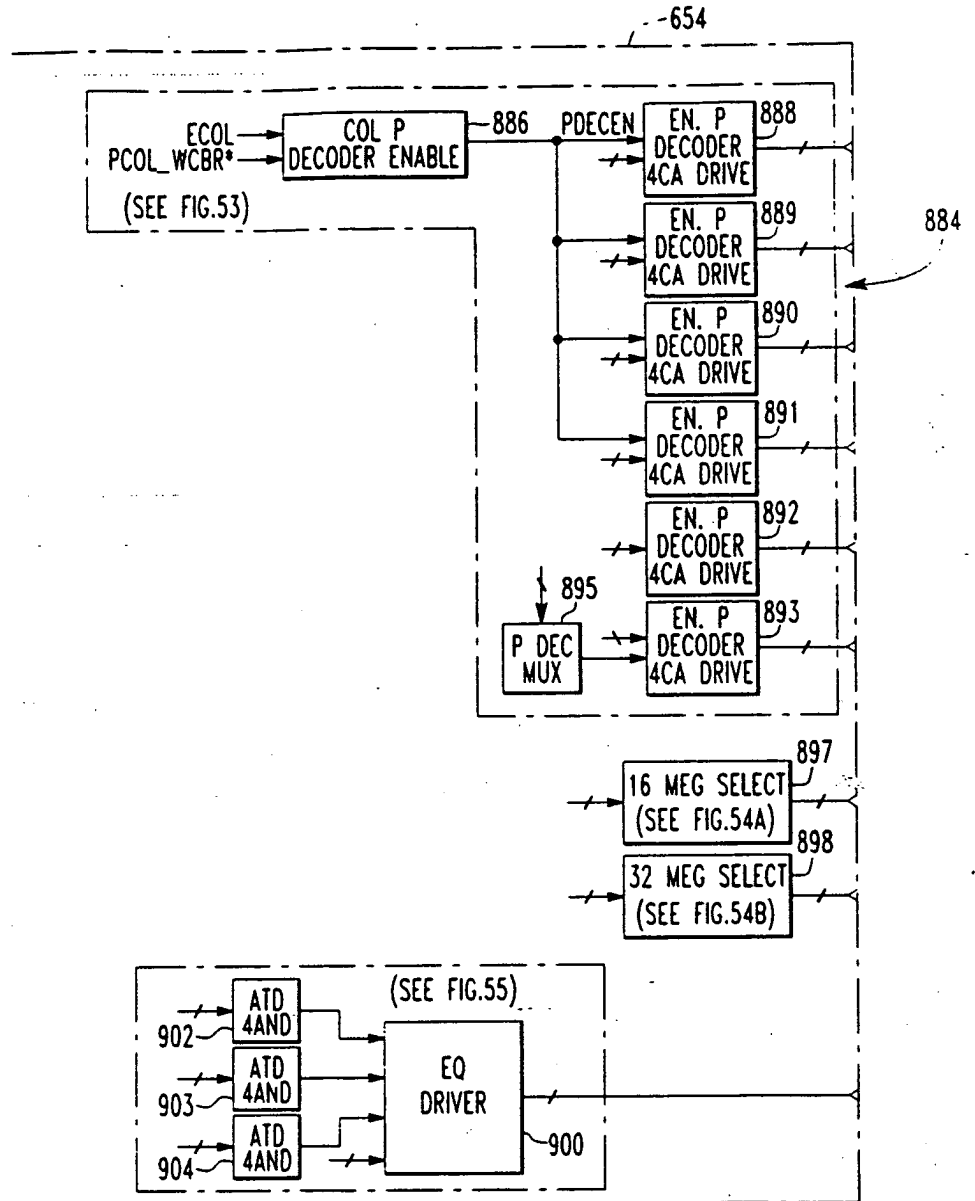


FIG. 51A



11  
T00290-71258860

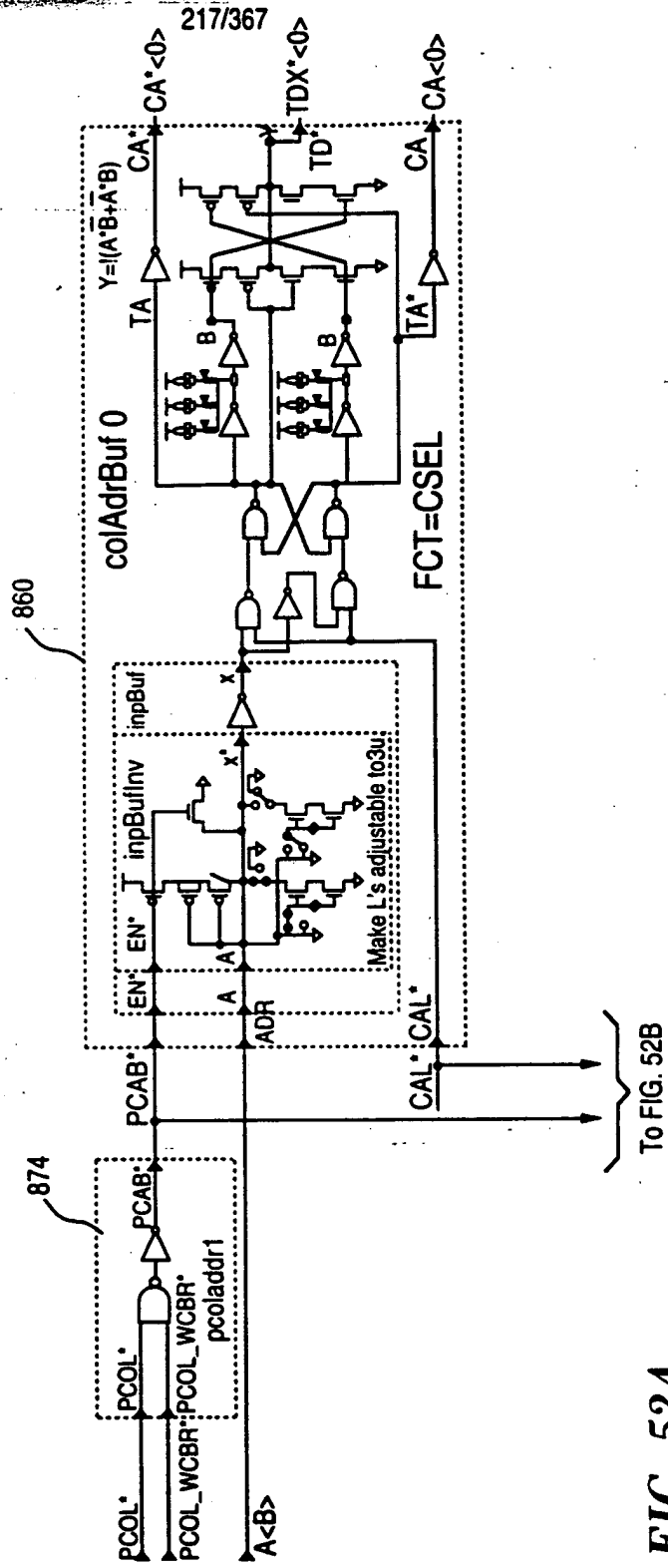
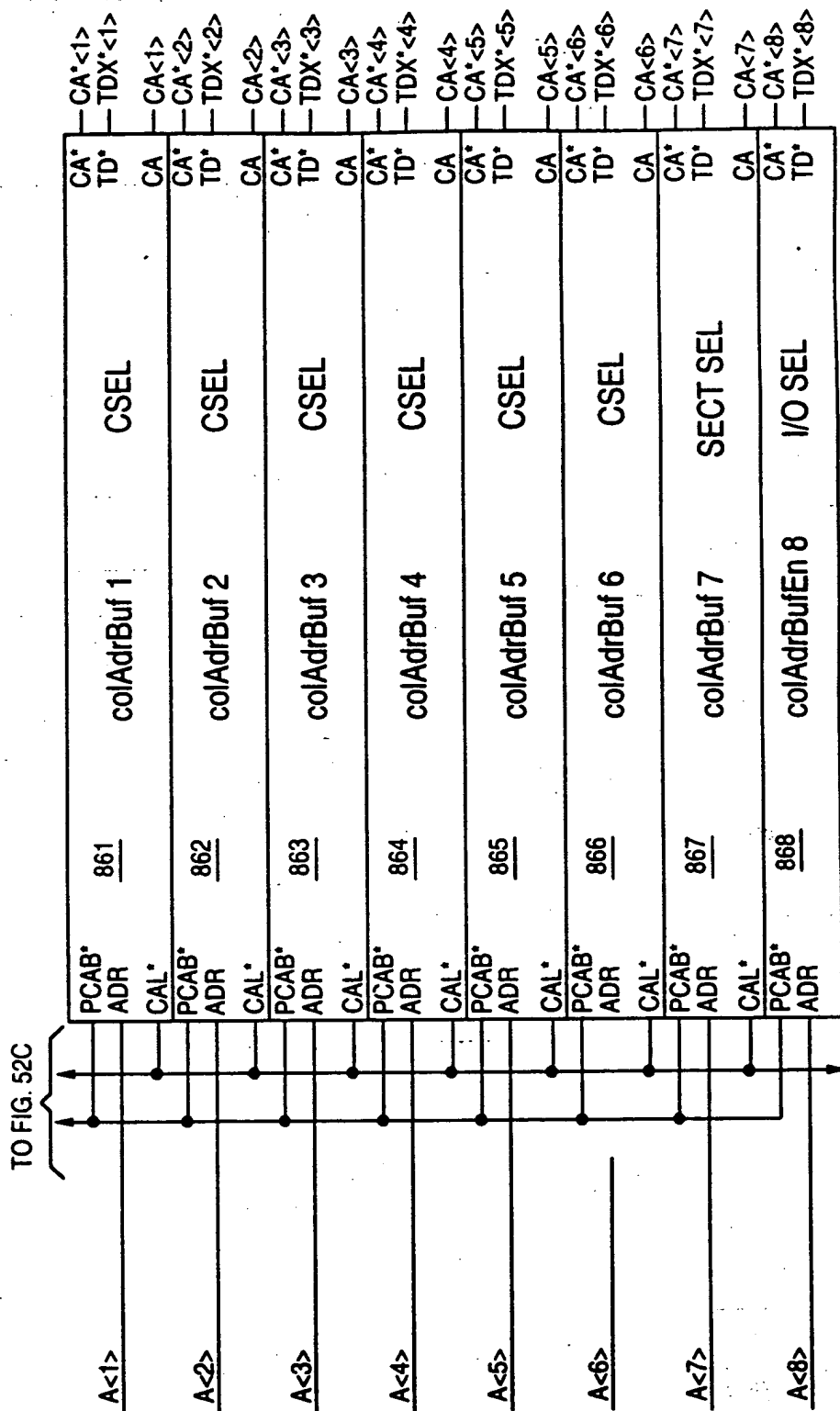


FIG. 52A

100290-71258860



TO FIG. 52C

FIG. 52B

100290-71258860

100290-71258860

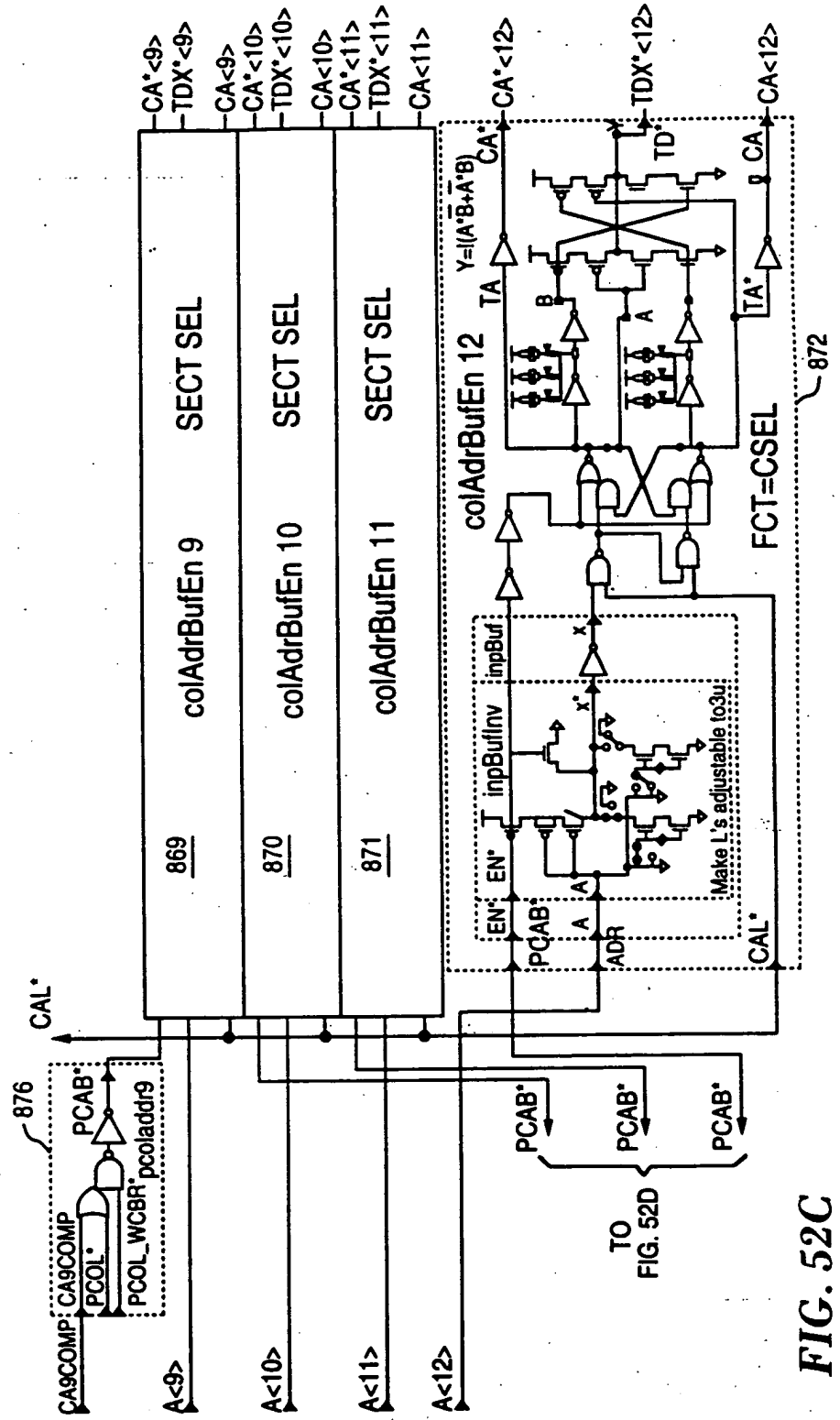


FIG. 52C

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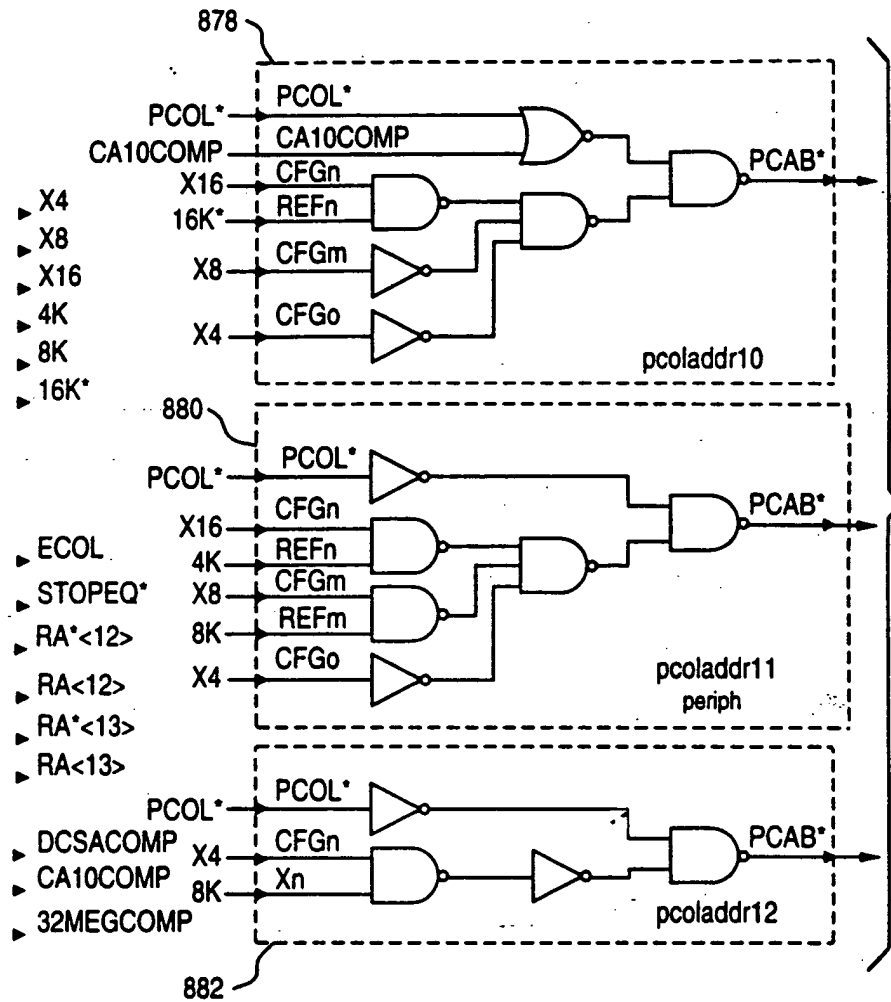


FIG. 52D



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100290-1258860

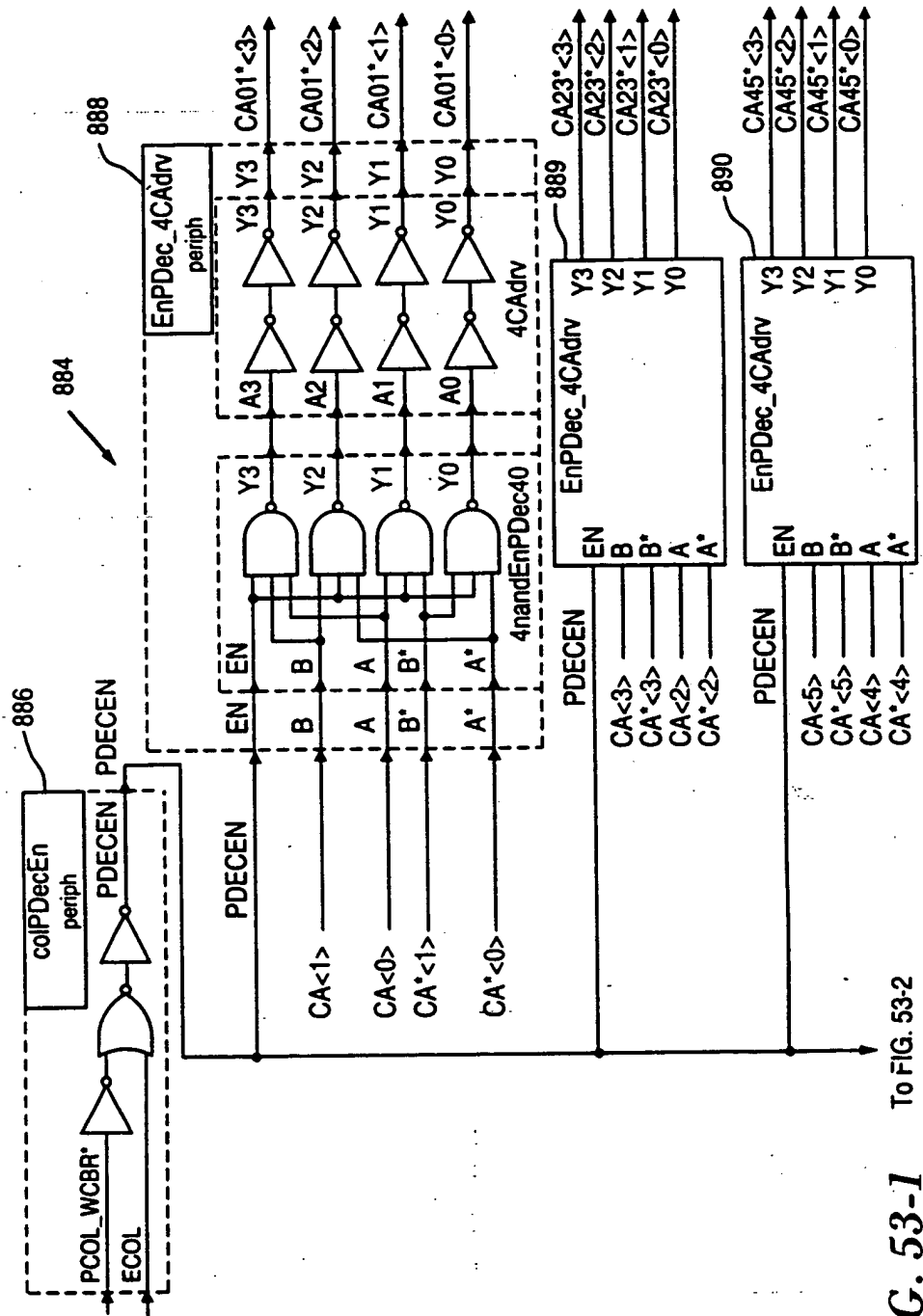


FIG. 53-1 To FIG. 53-2

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To FIG. 53-1

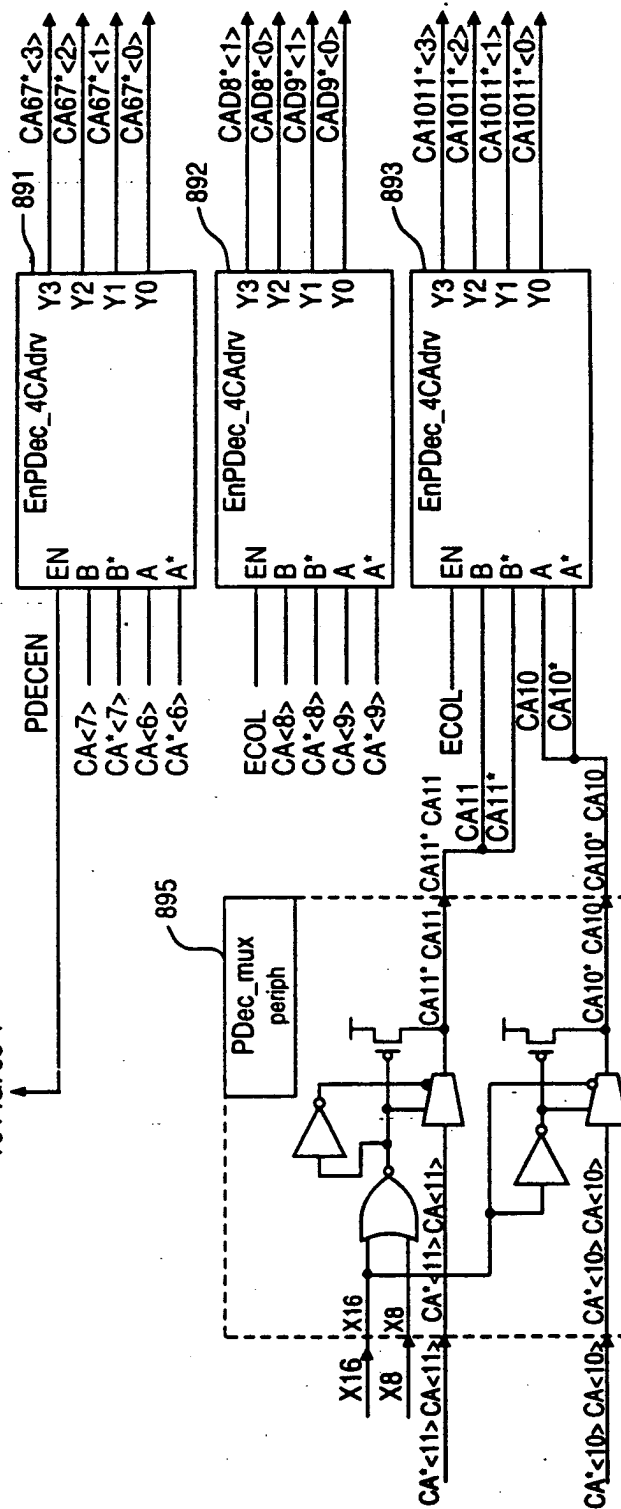


FIG. 53-2

1002907/1258860

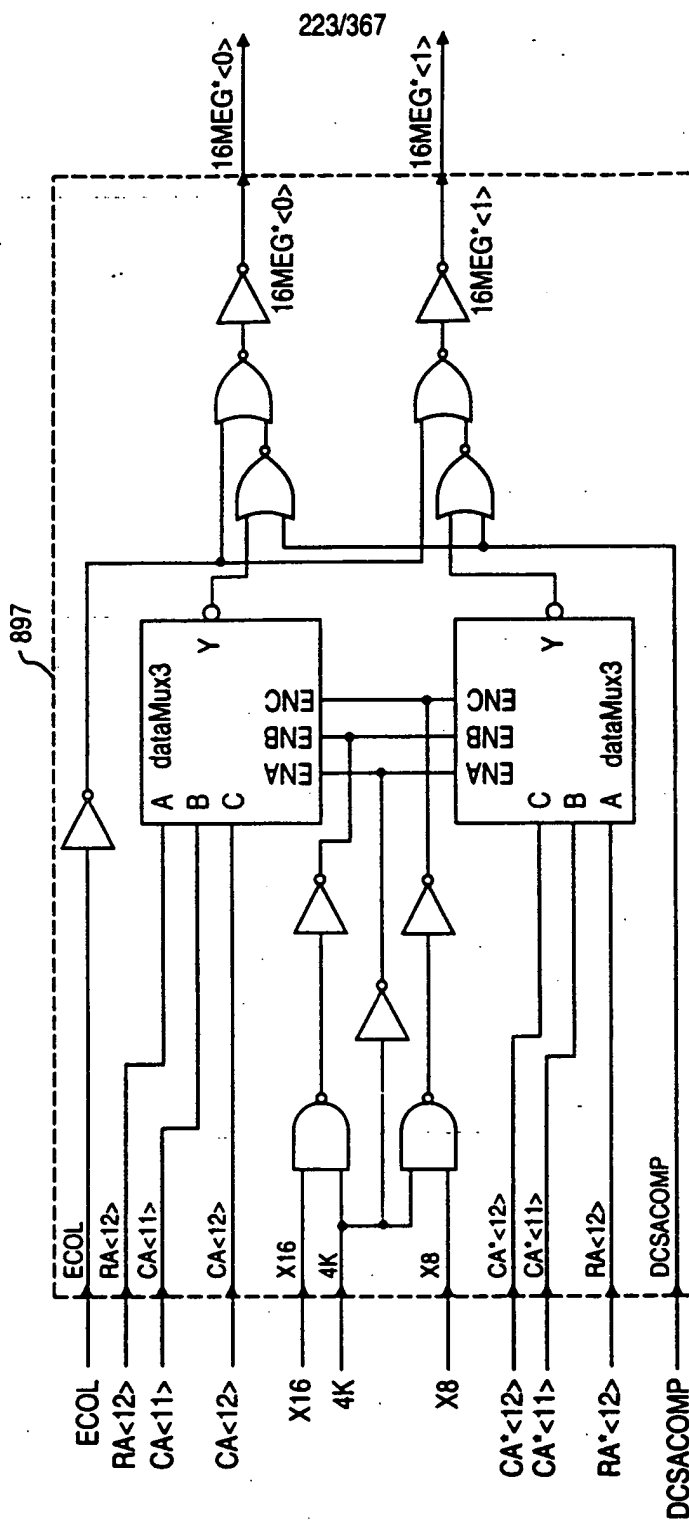
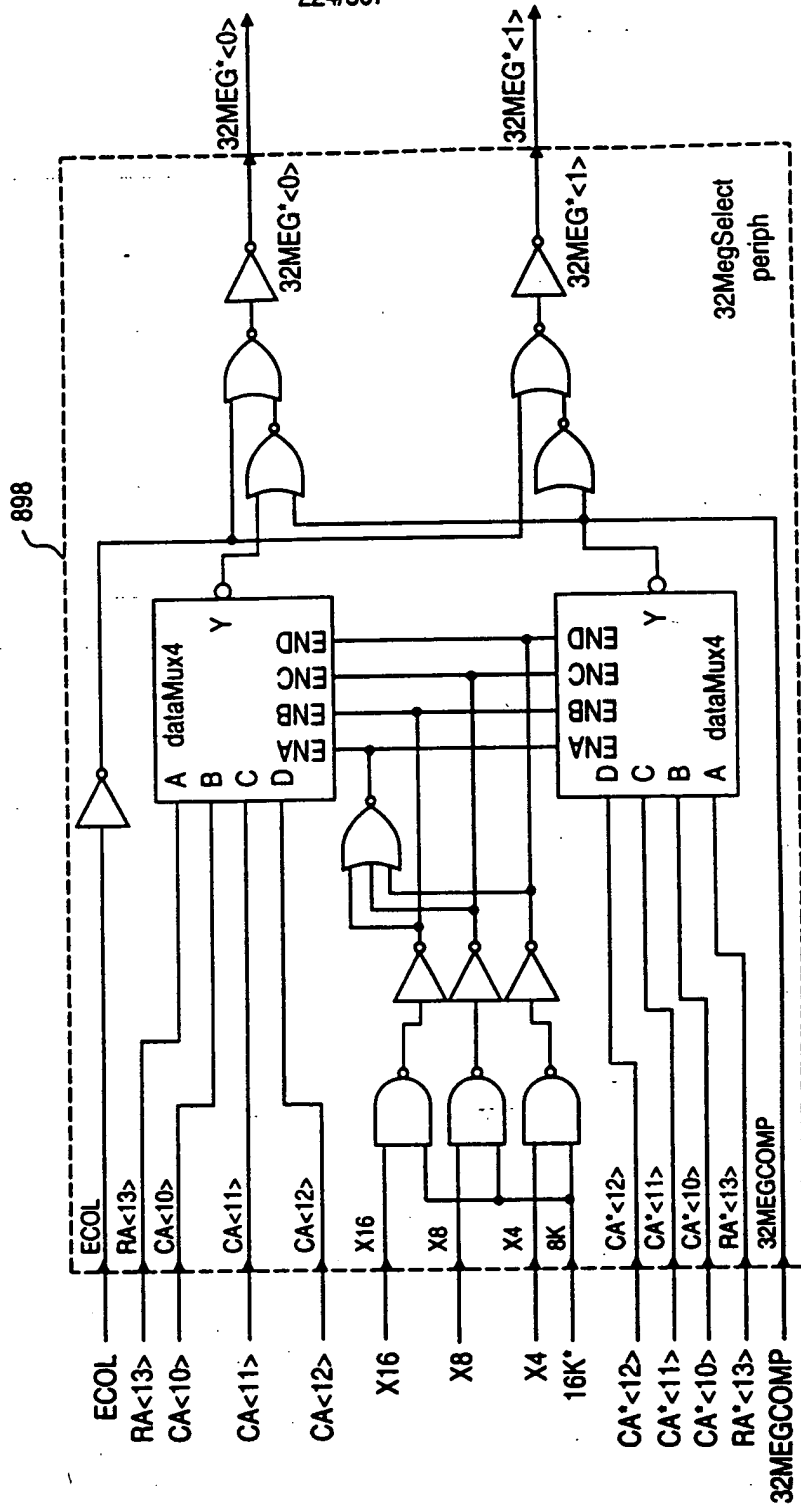
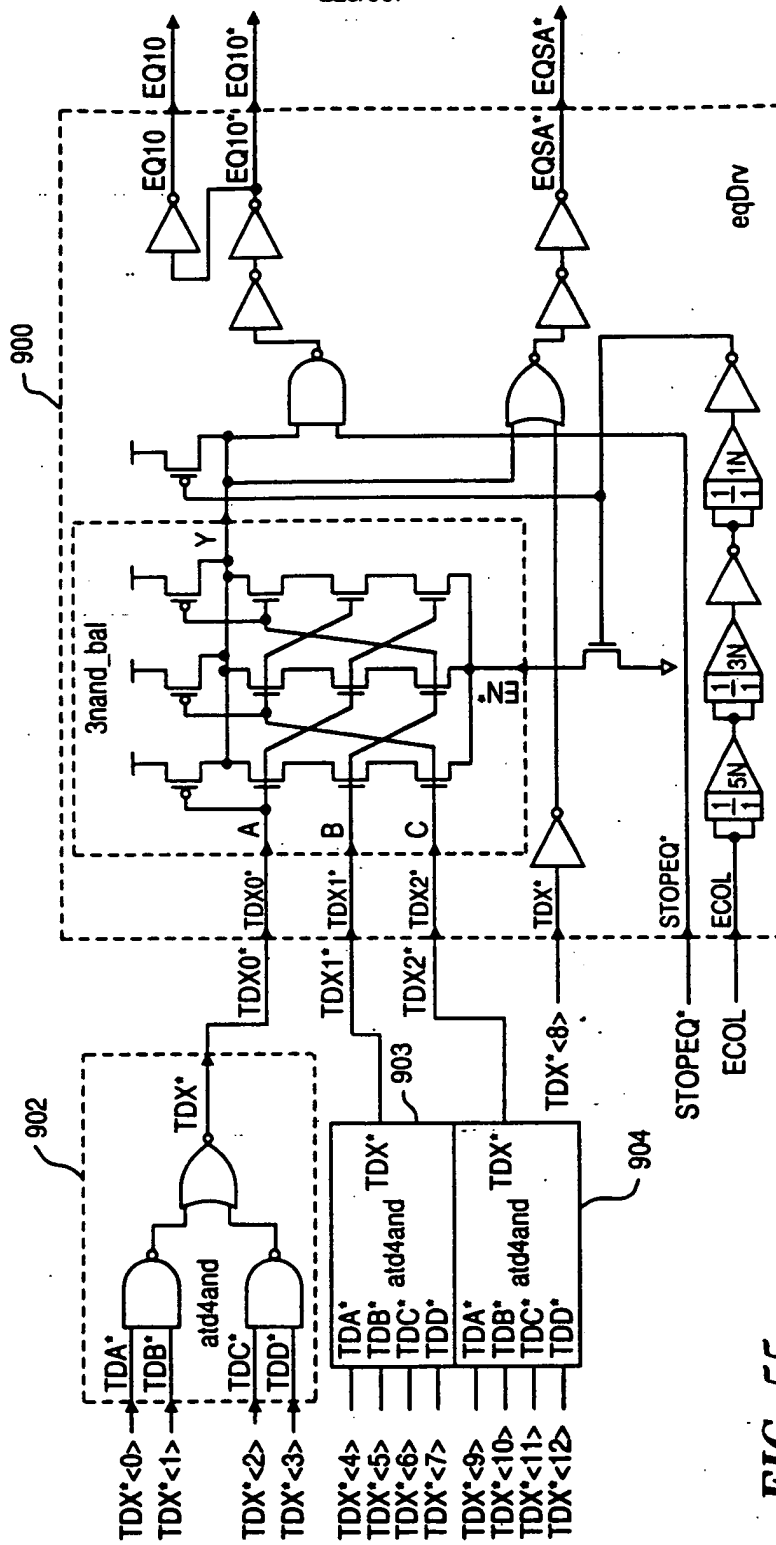


FIG. 54A



**FIG. 54B**

09885217-062001



**FIG. 55**

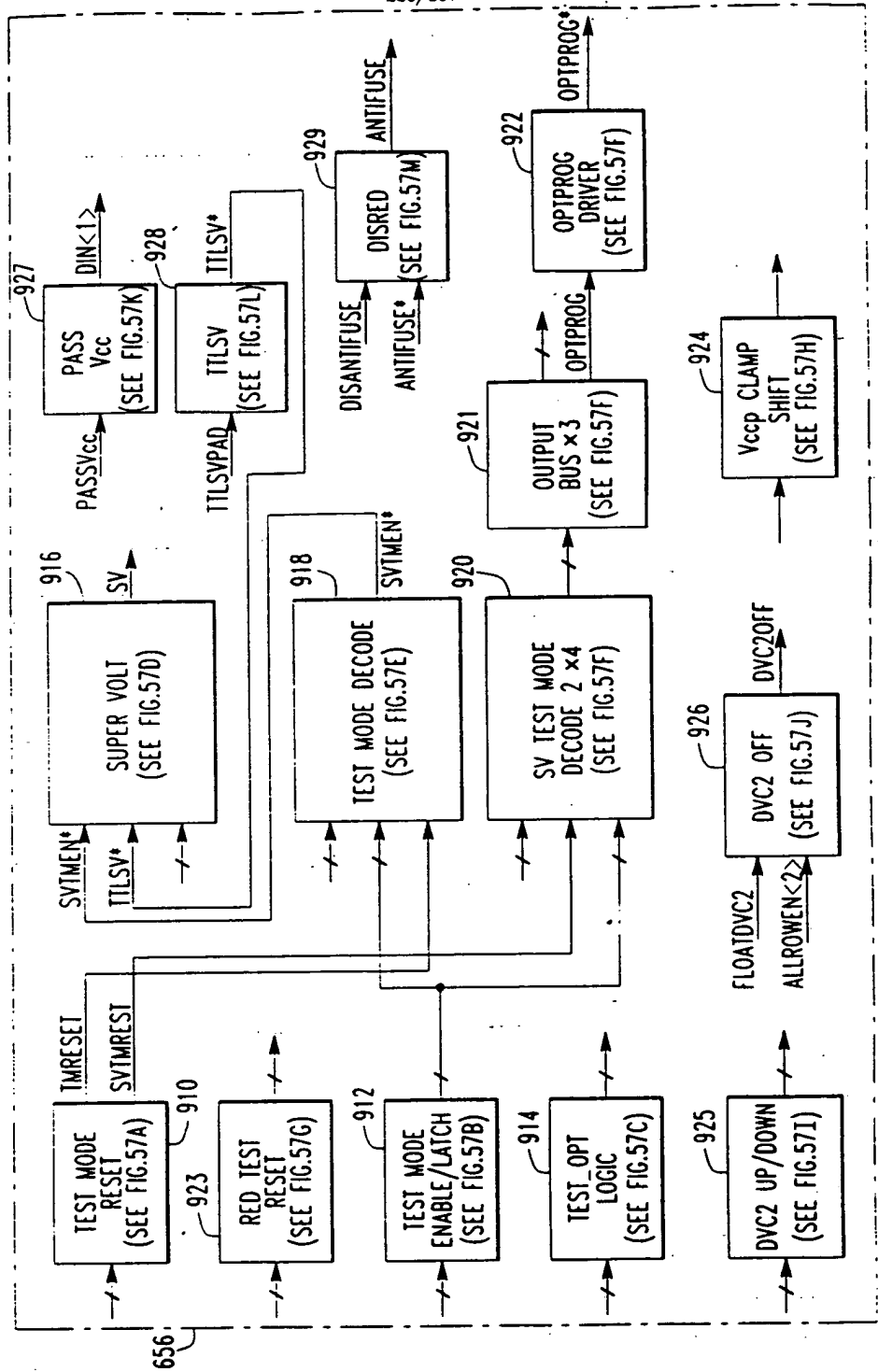


FIG. 56

100294-21258860

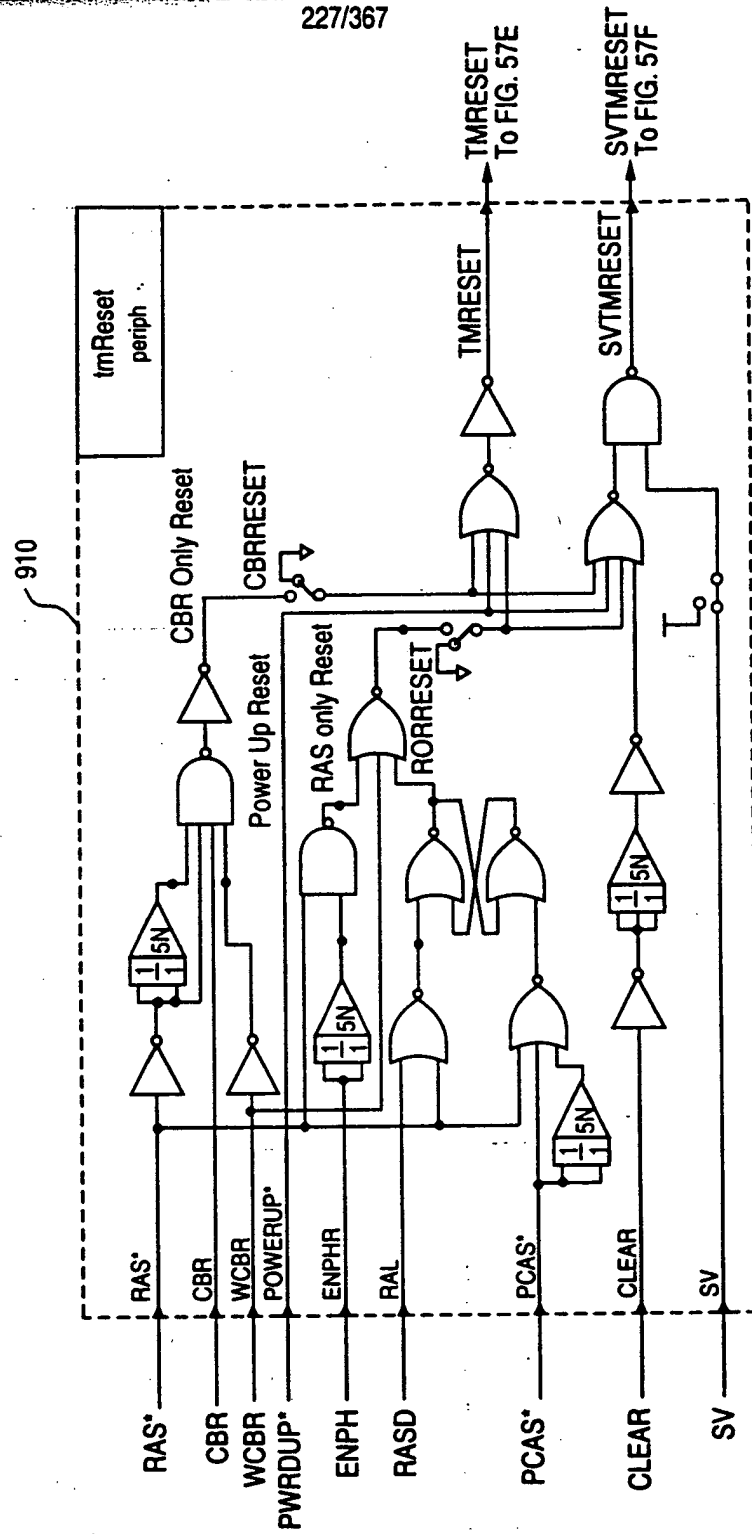


FIG. 57A

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100290-1258860

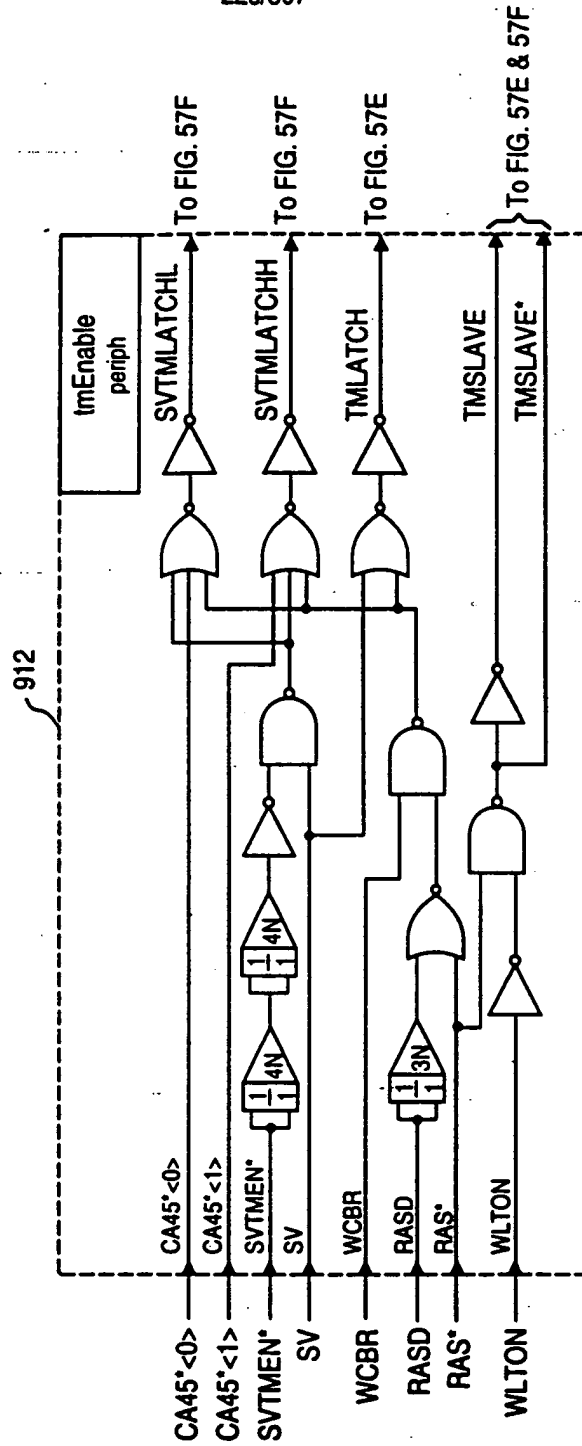


FIG. 57B



100290-21258860

914

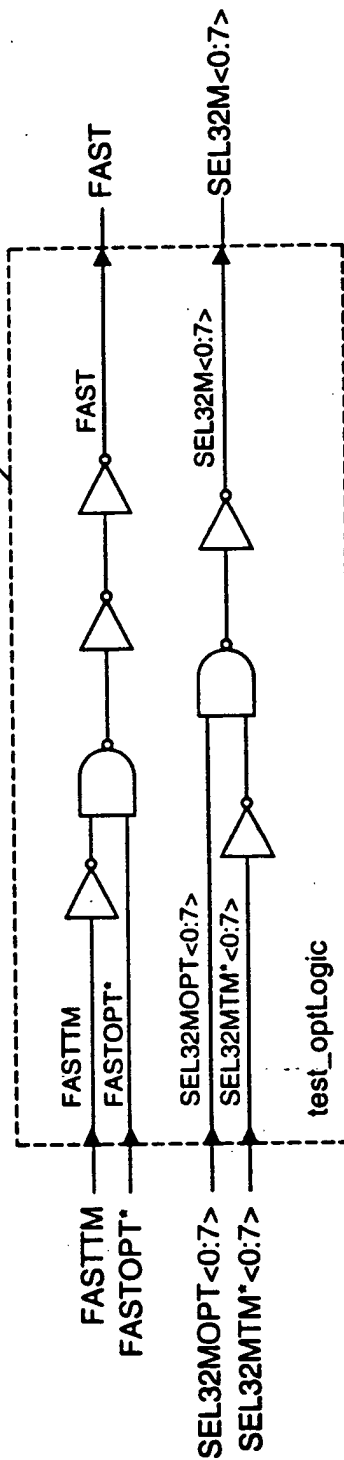
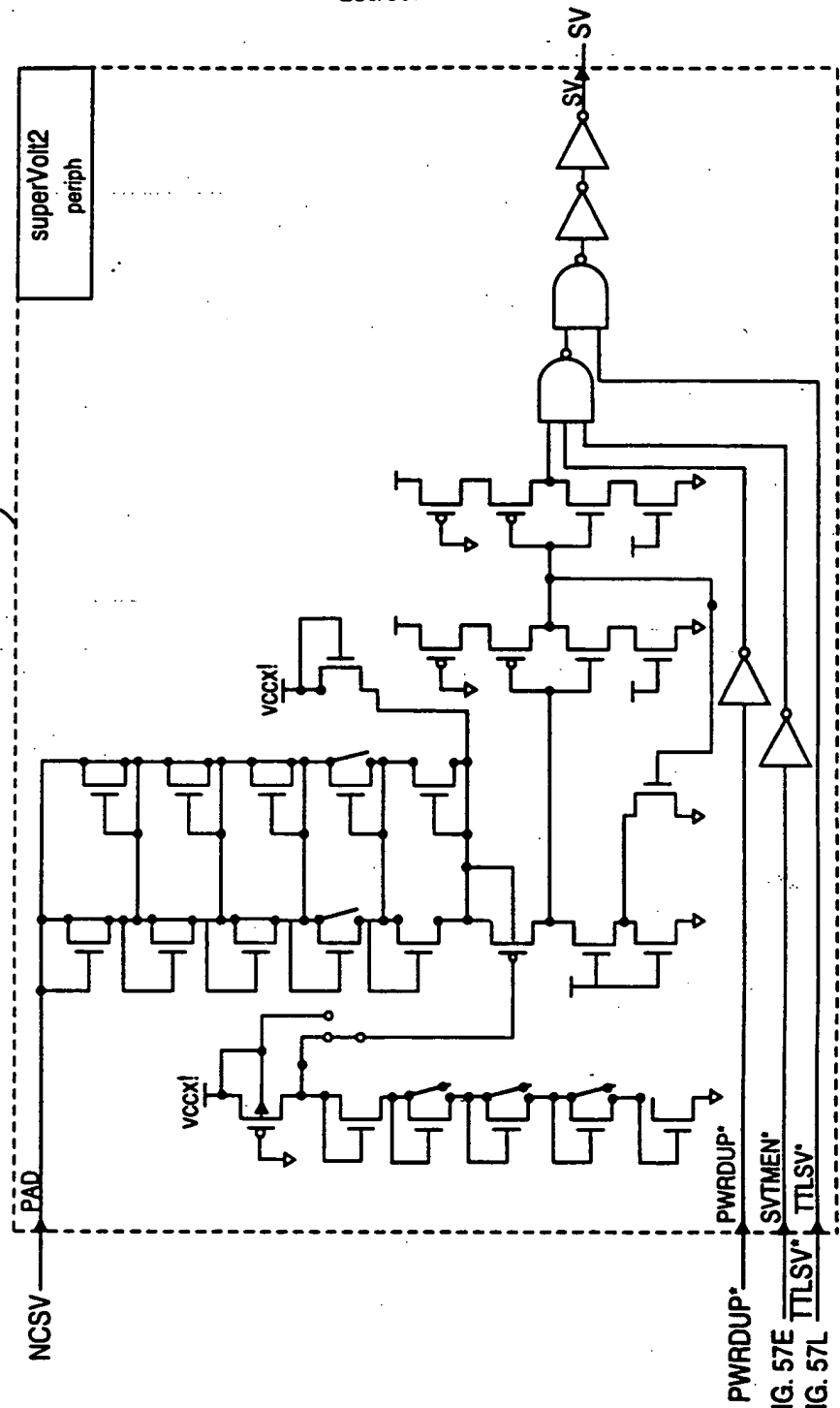


FIG. 57C

100294-21258860

916

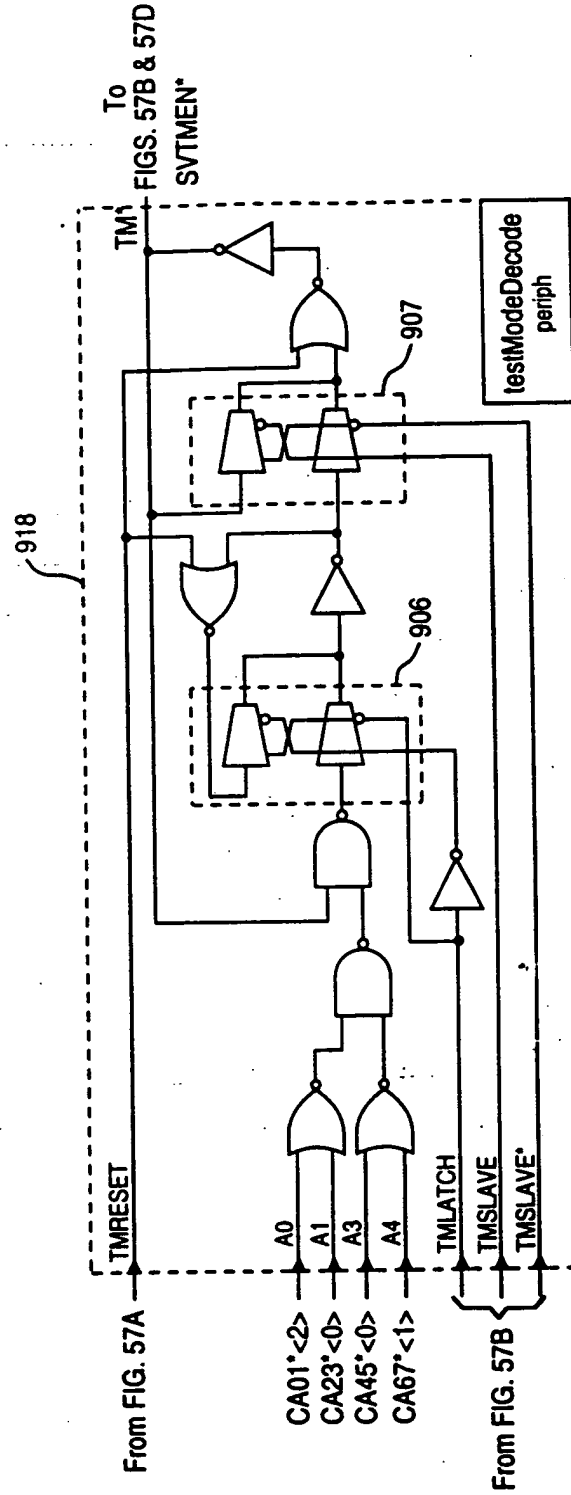


From FIG. 57E

From FIG. 57L

**FIG. 57D**

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**FIG. 57E**

100290-2258860

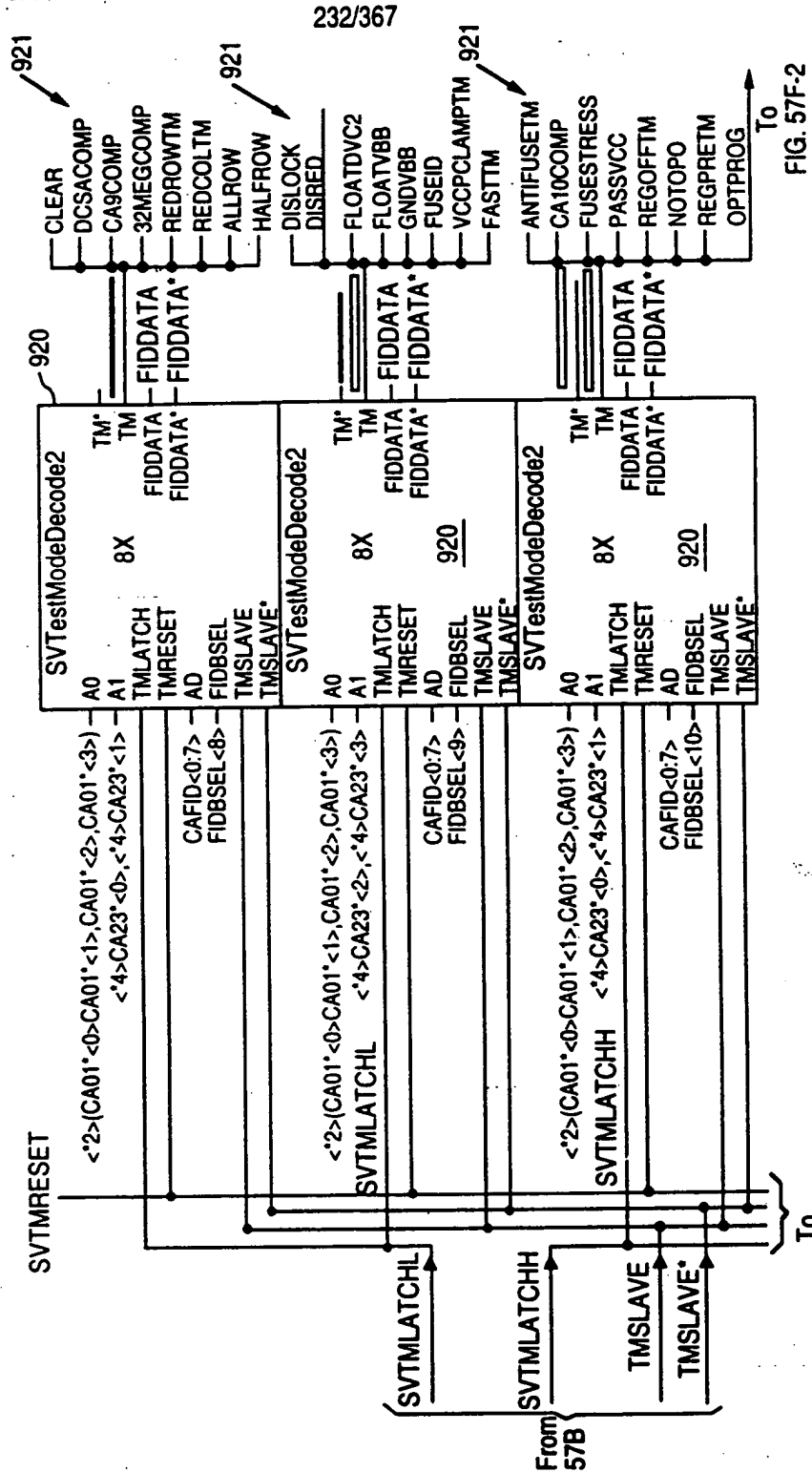


FIG. 57F-3

FIG. 57F-1

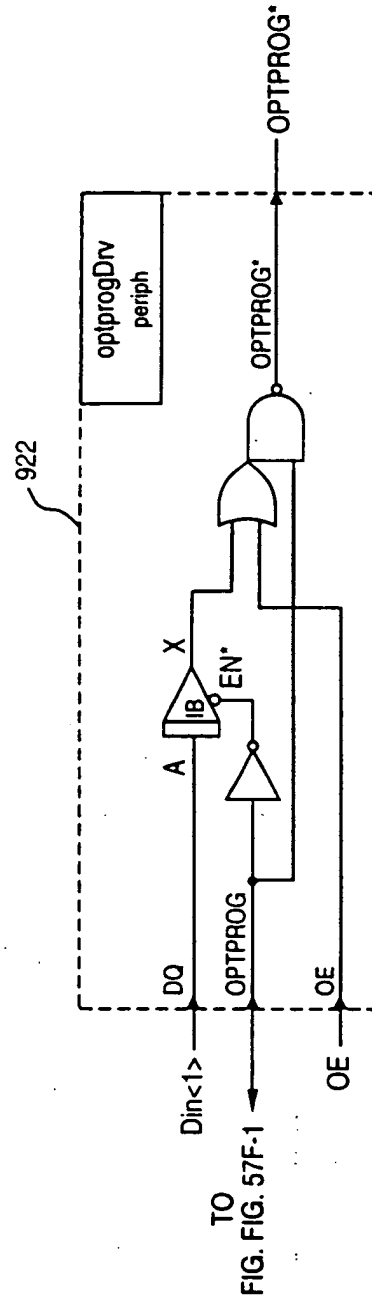


FIG. 57F-2

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To  
FIG. 57F-1

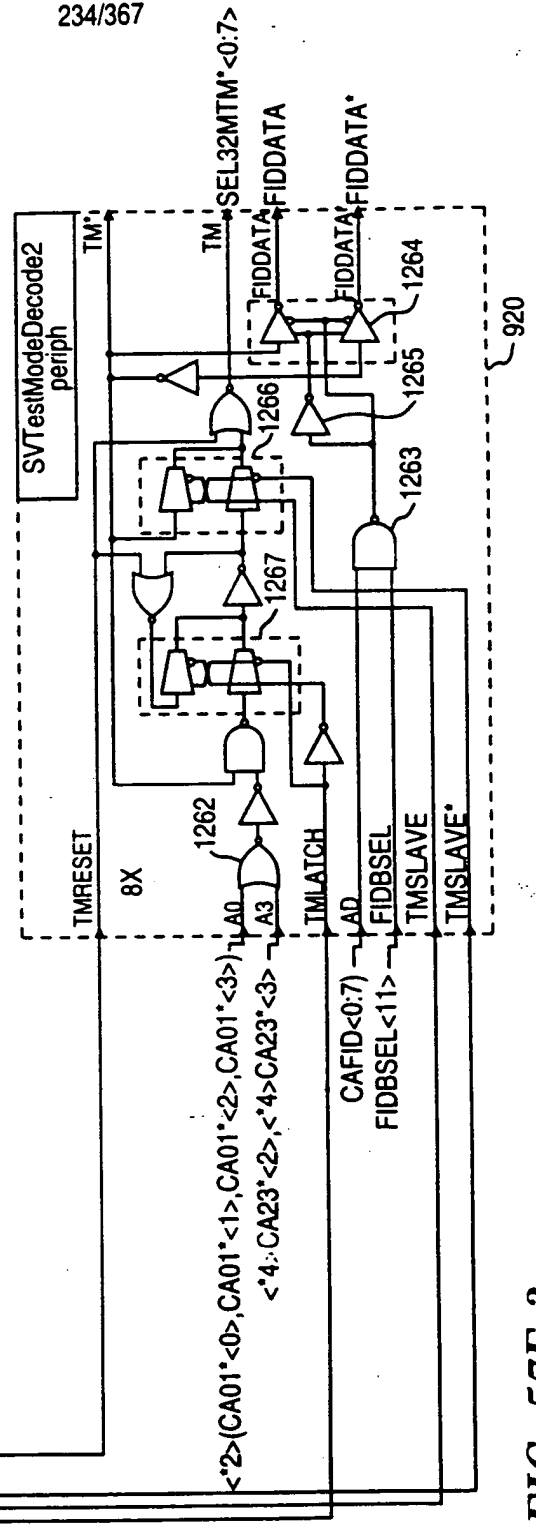


FIG. 57F-3

11  
T00290-1258860

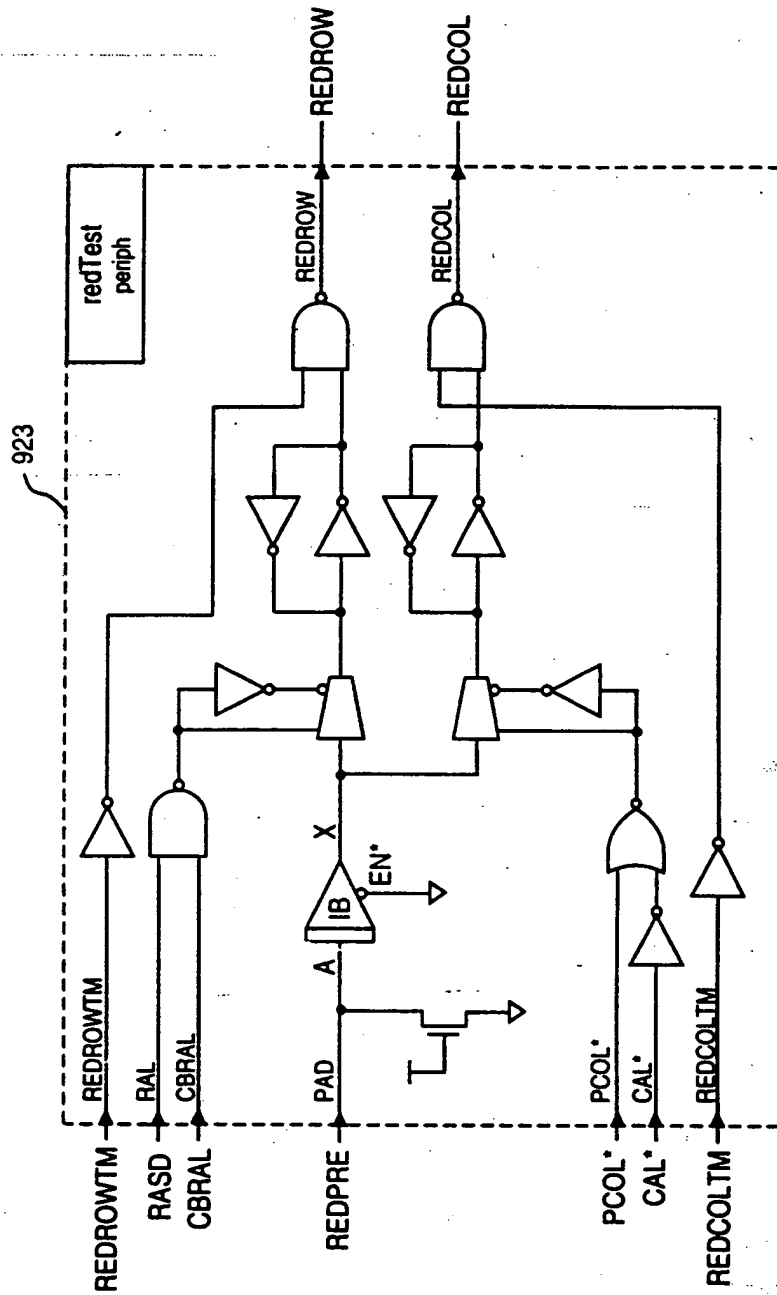


FIG. 57G

0985217-062001  
100290-1258860

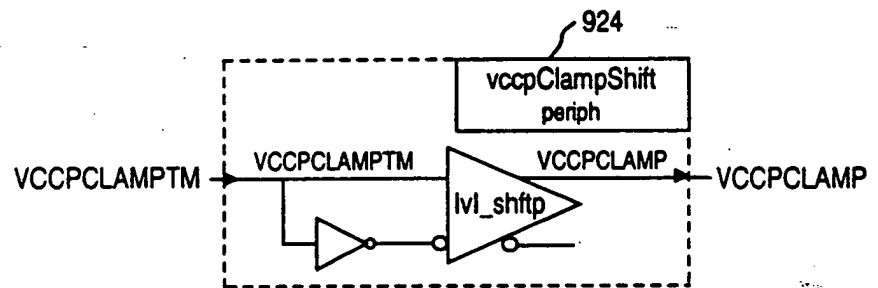


FIG. 57H



09885217-052001

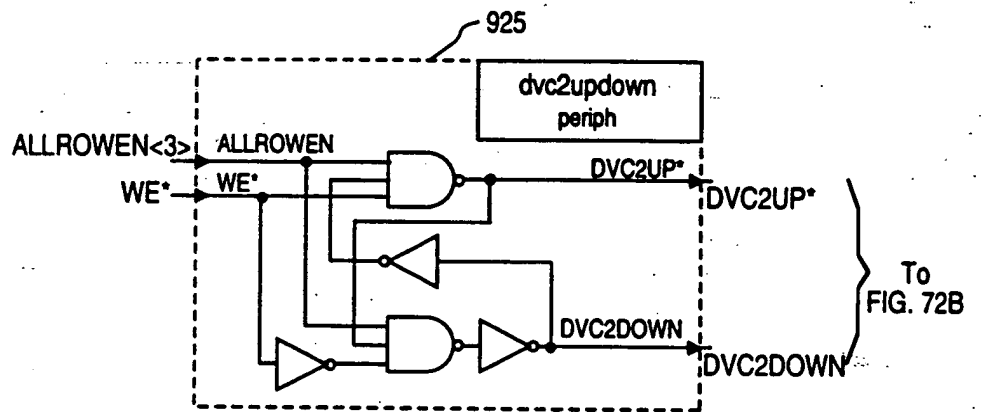


FIG. 57I

09885217:062001

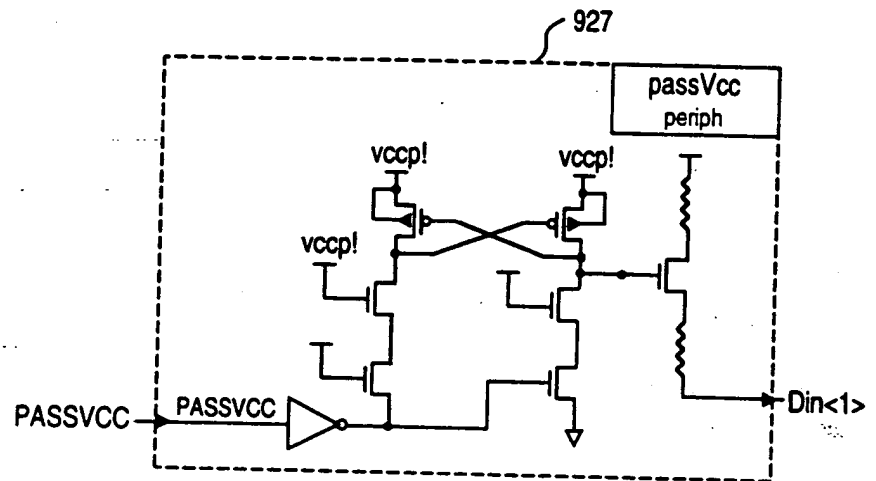


FIG. 57K

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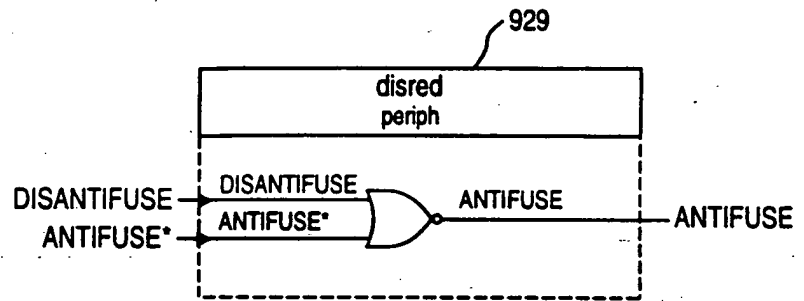


FIG. 57M

100296-1258860

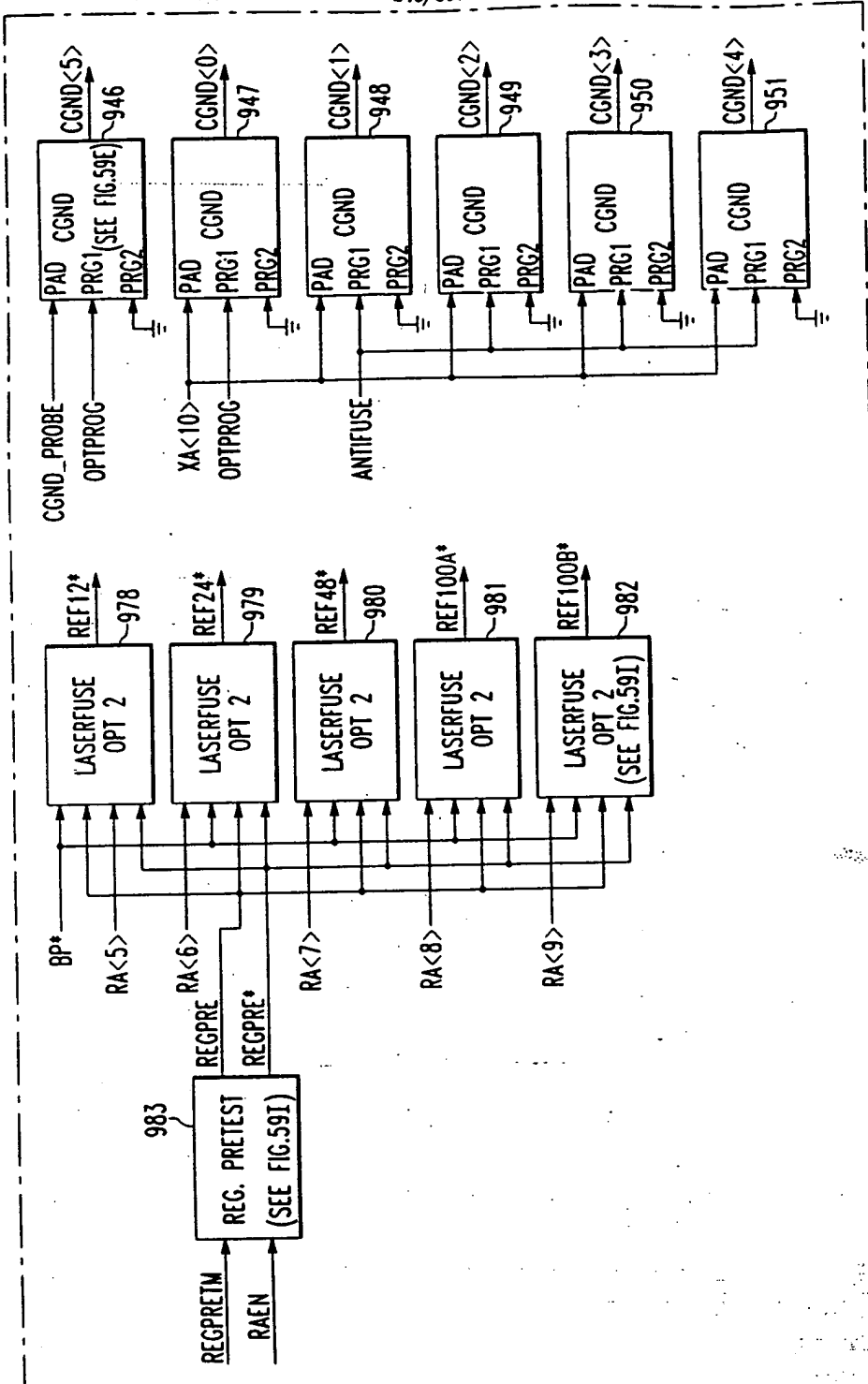


FIG. 58B

100290-7258860

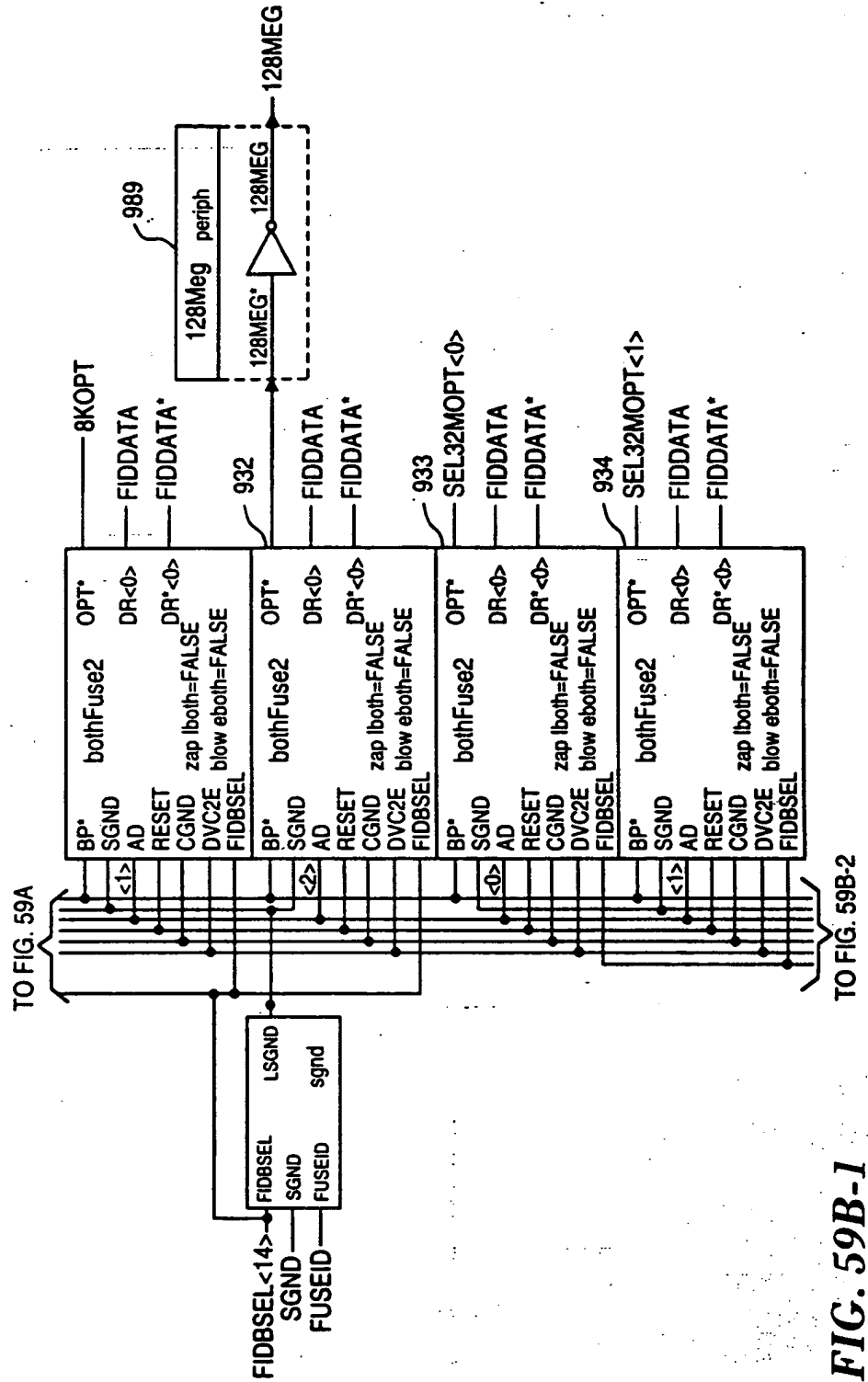


FIG. 59B-1

11  
FO0290-7258860

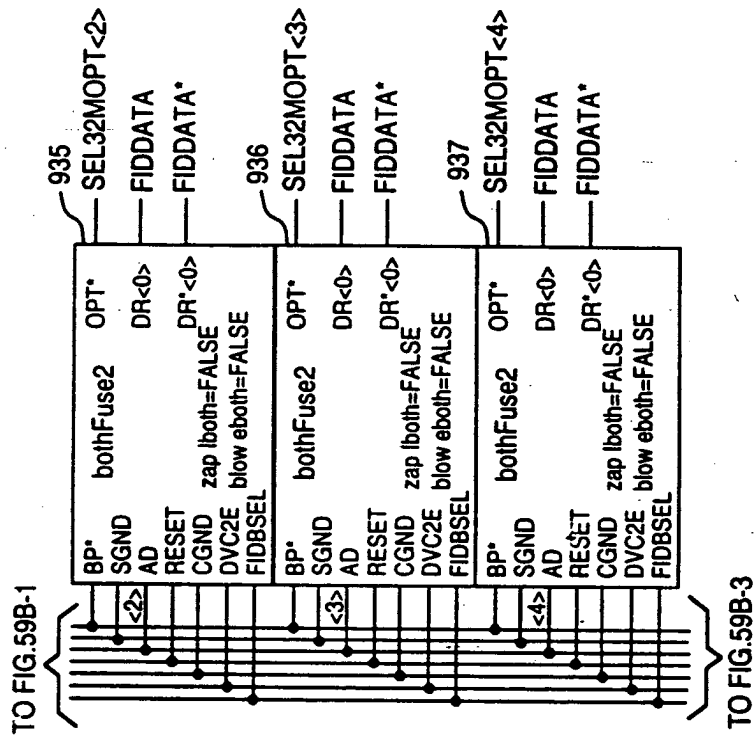


FIG. 59B-2

100290-1258860

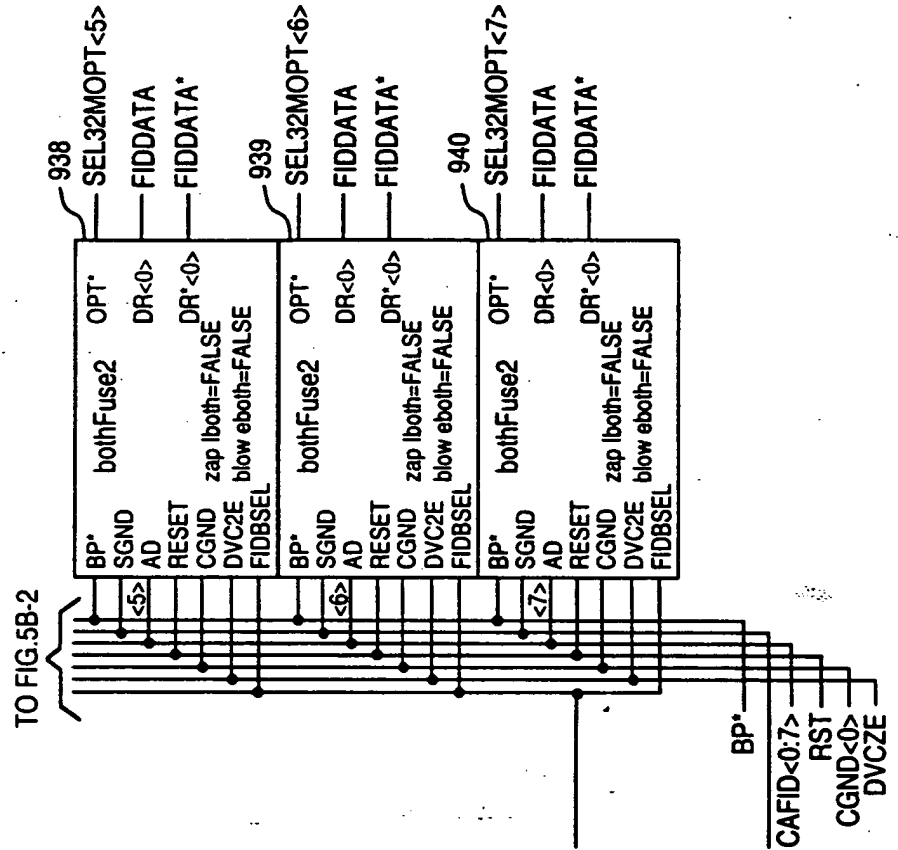


FIG. 59B-3

100290: T258860

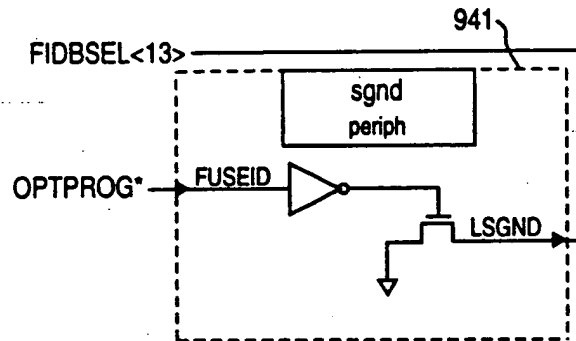


FIG. 59C



100296-1258860

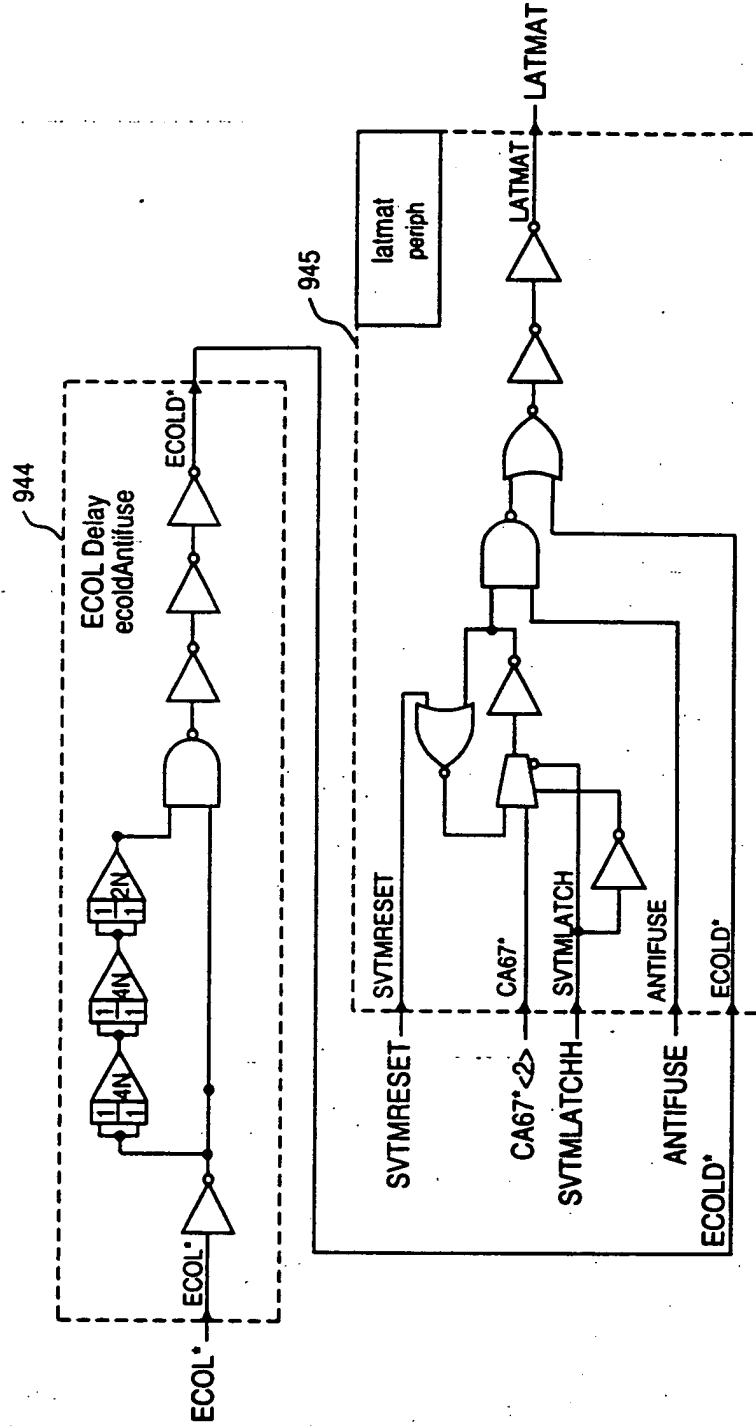


FIG. 59D

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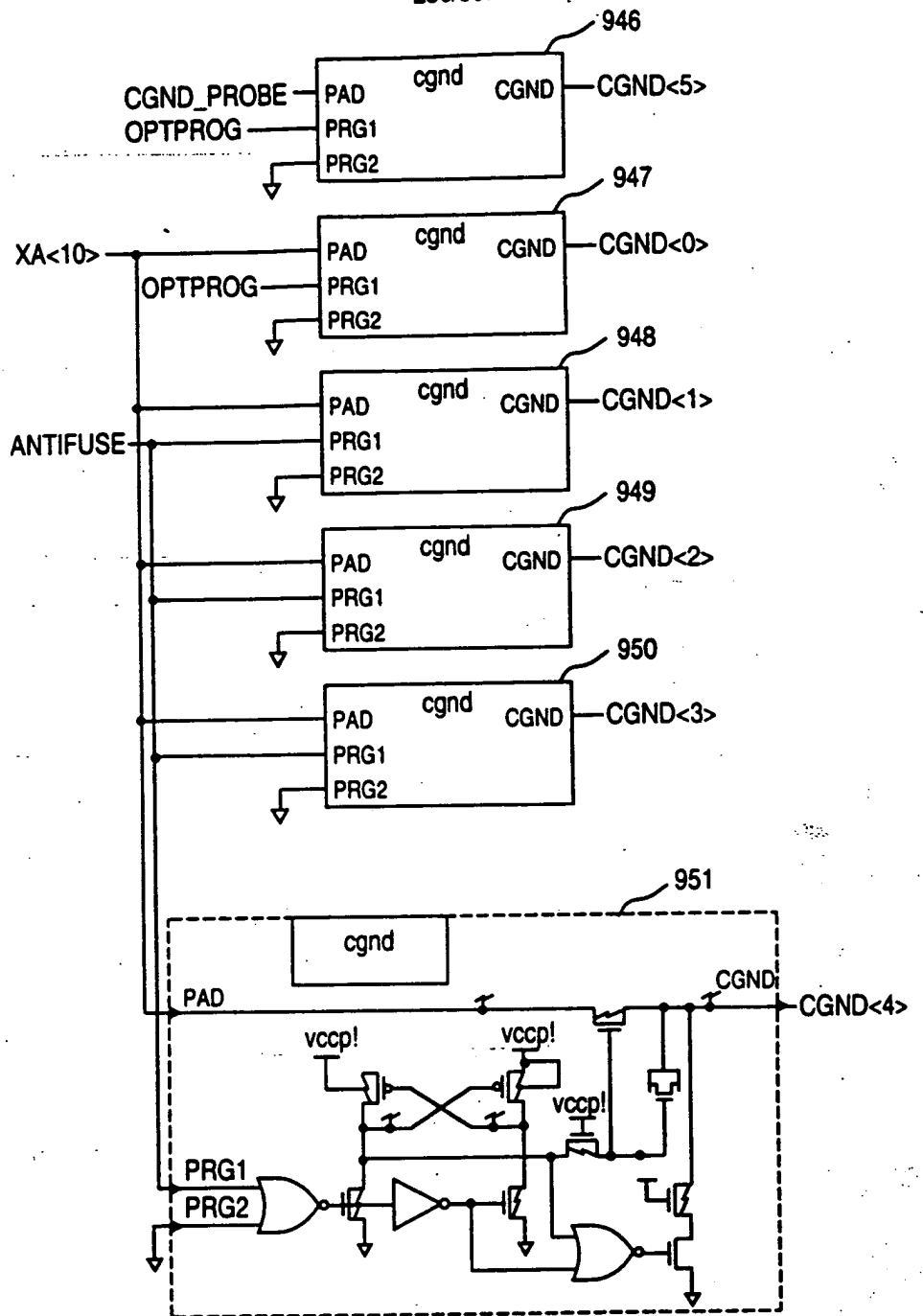


FIG. 59E

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To  
FIG.  
59F-2

100290: 21258860

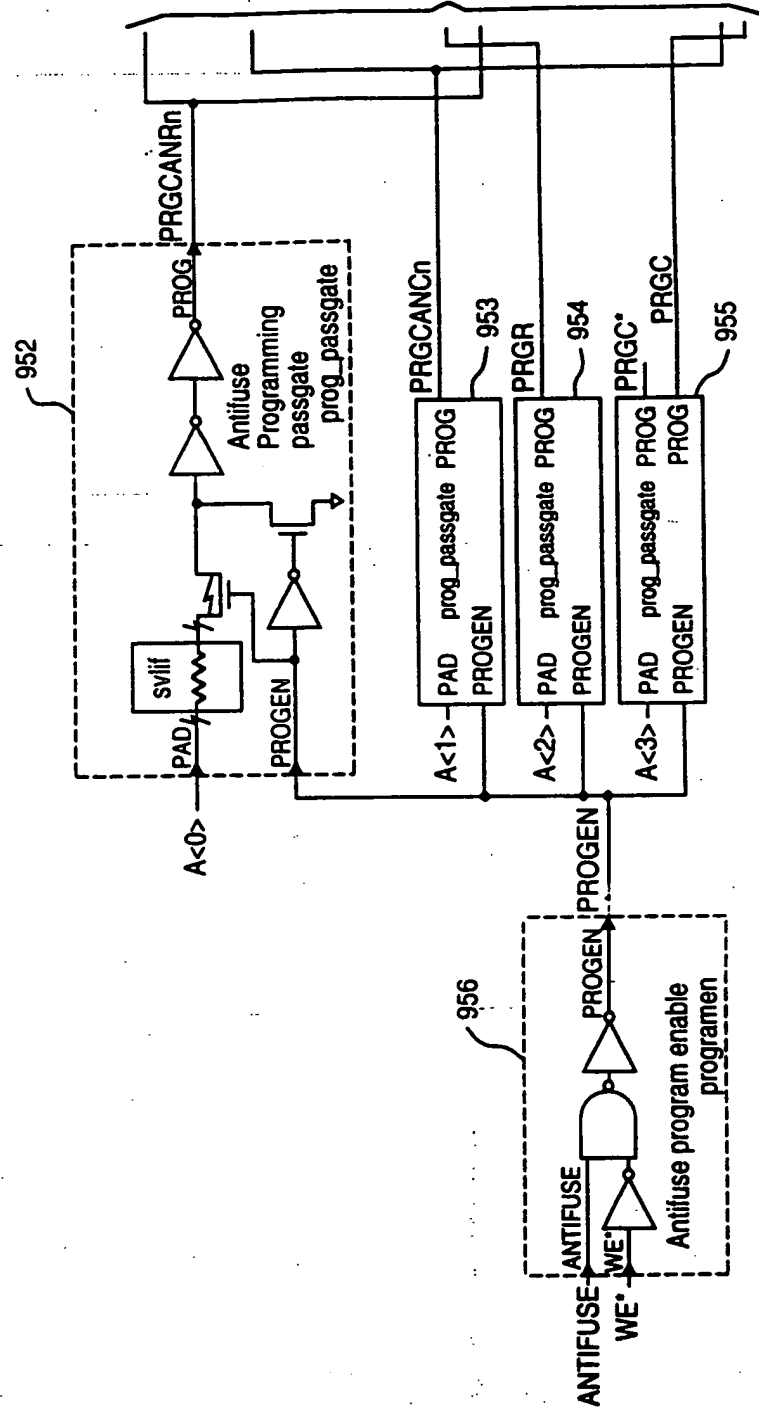


FIG. 59F-1

100290-1258860

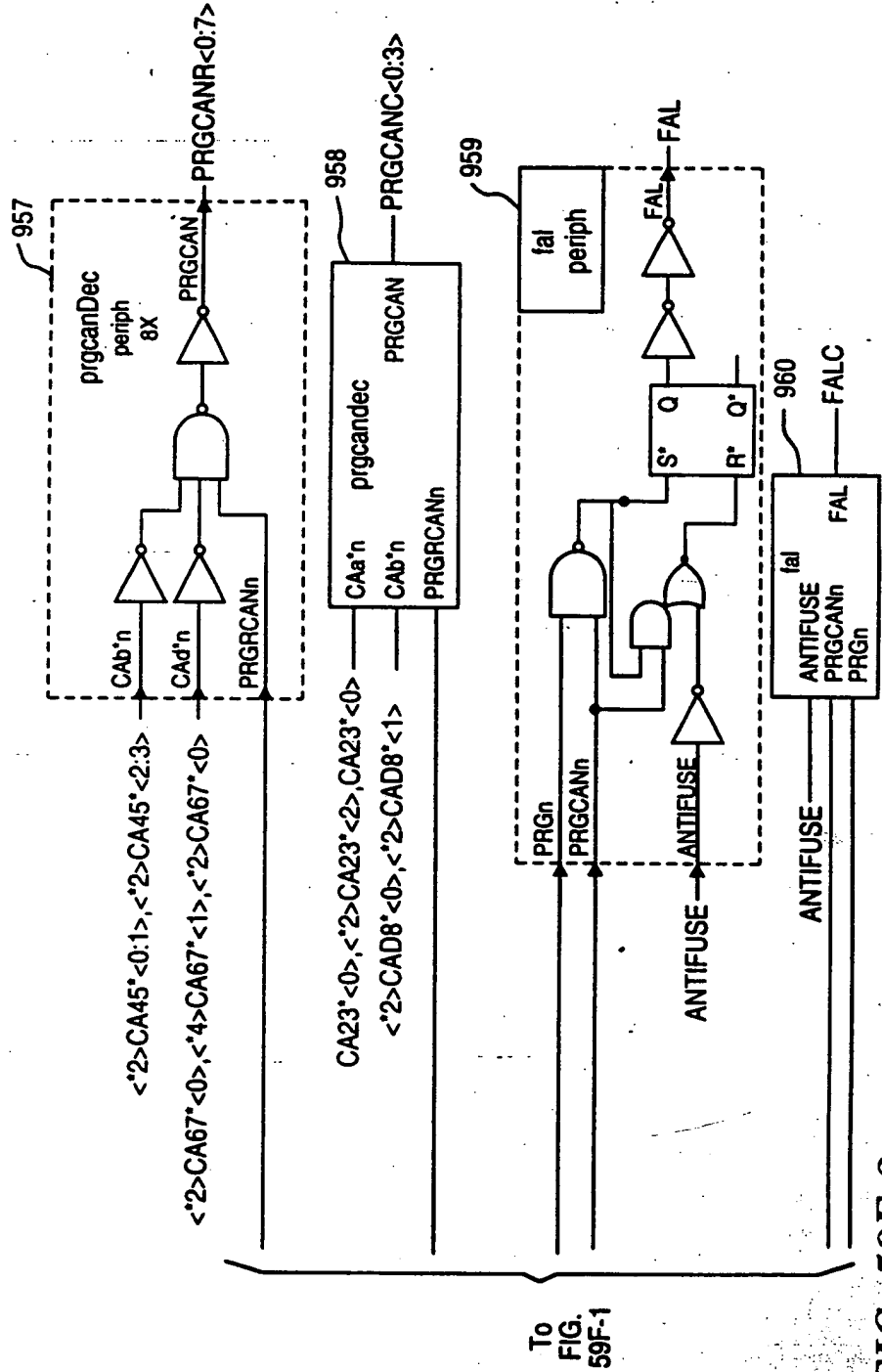


FIG. 59F-2

11  
T00290: / 1258860

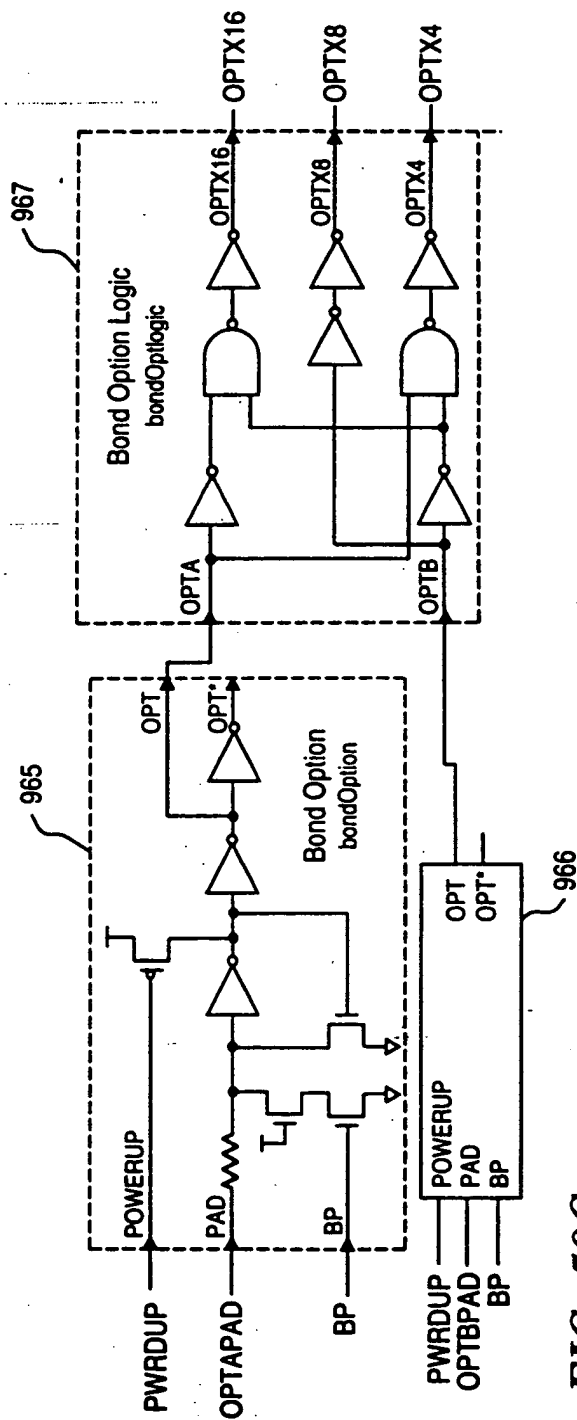


FIG. 59C

100250-125860

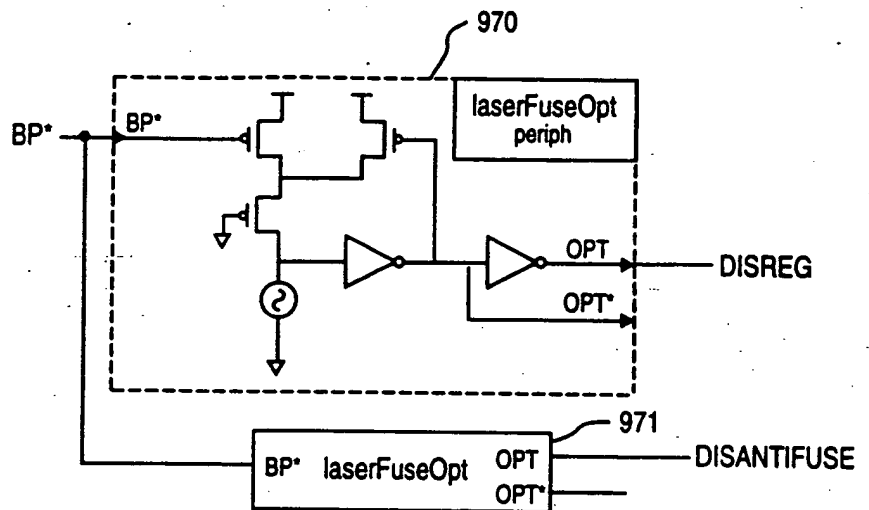


FIG. 59H

100290-1258860

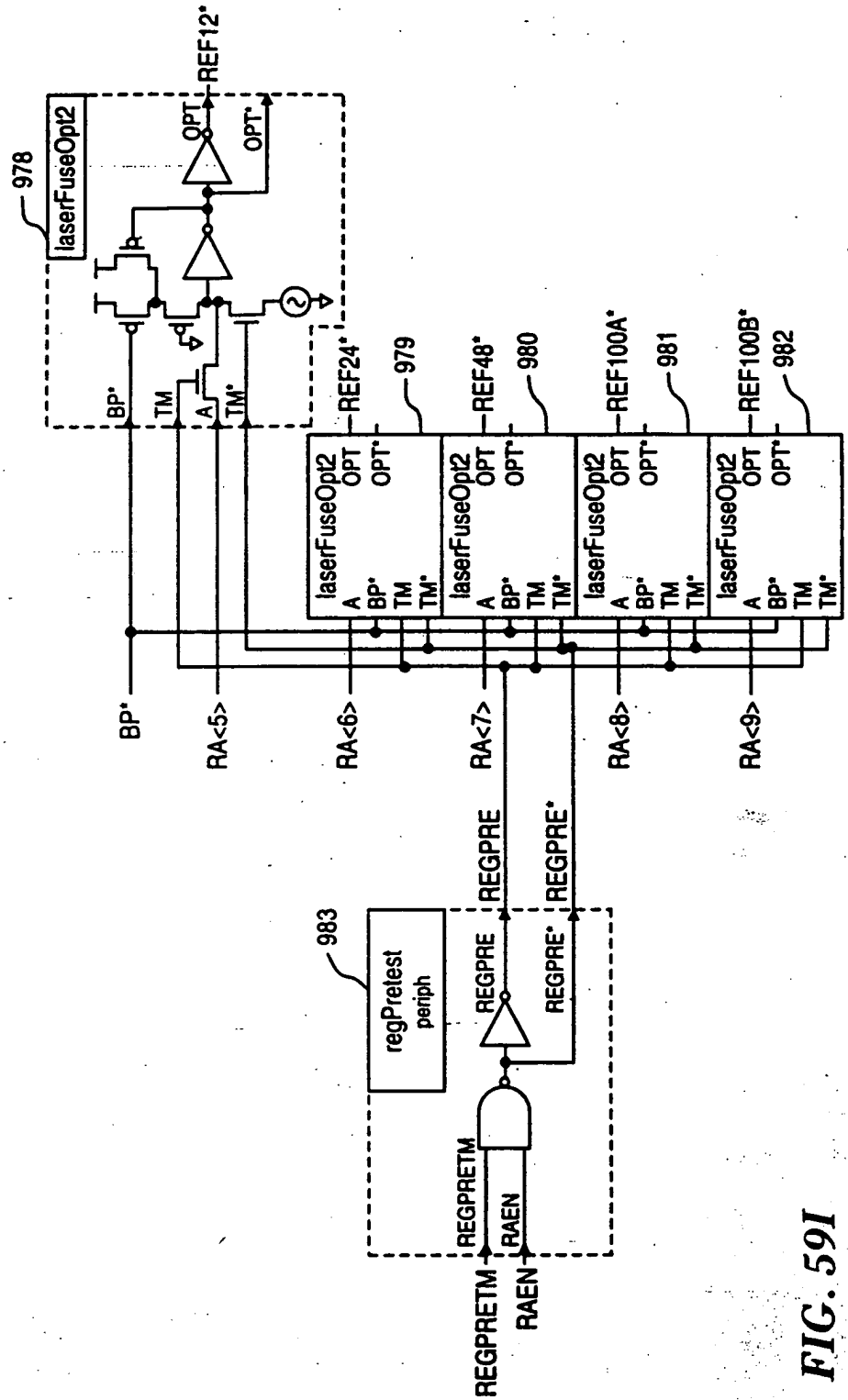


FIG. 591

09885217-062001

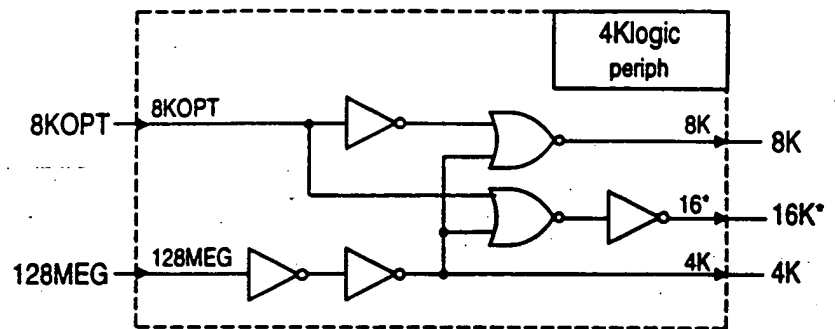
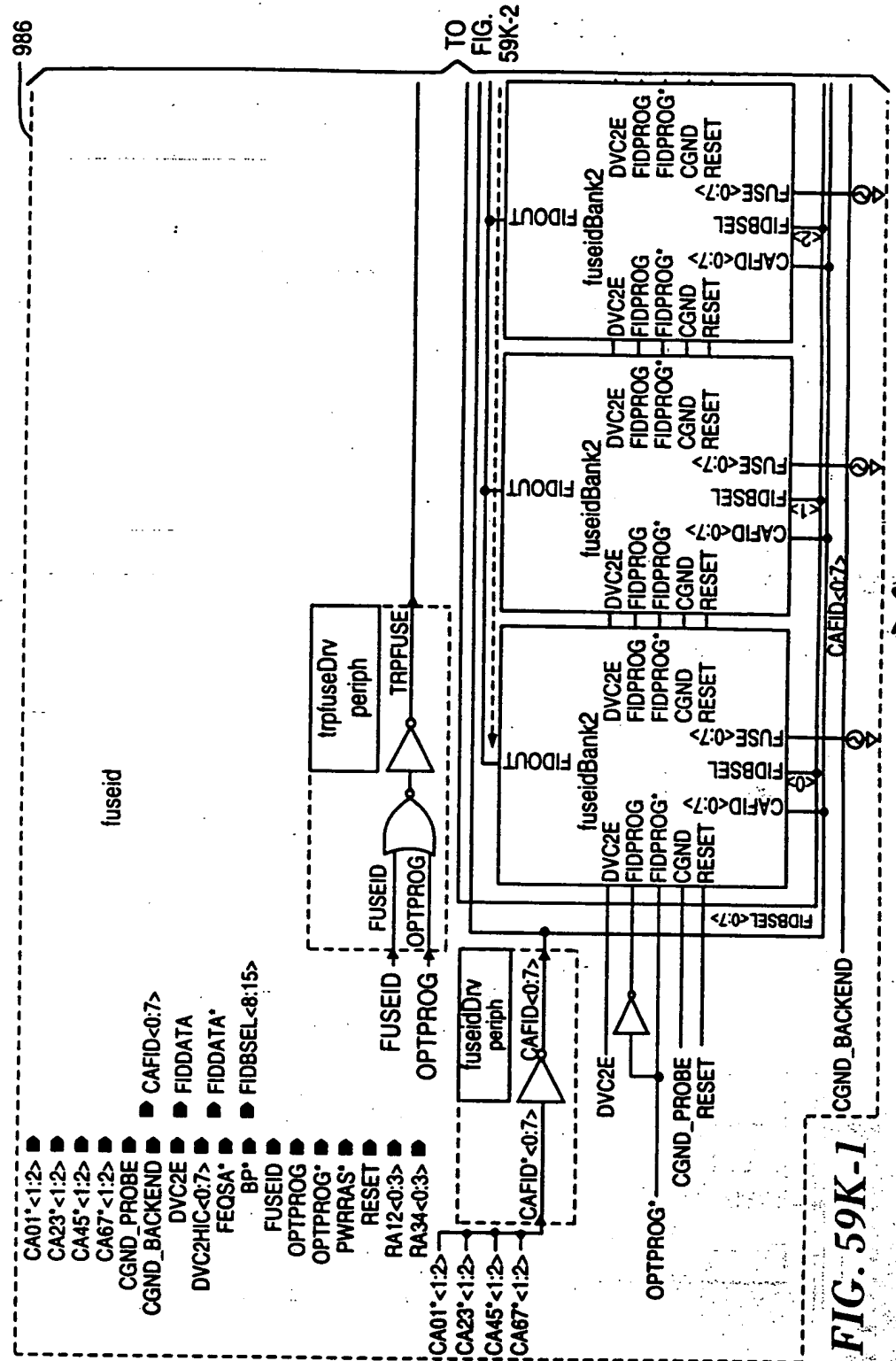


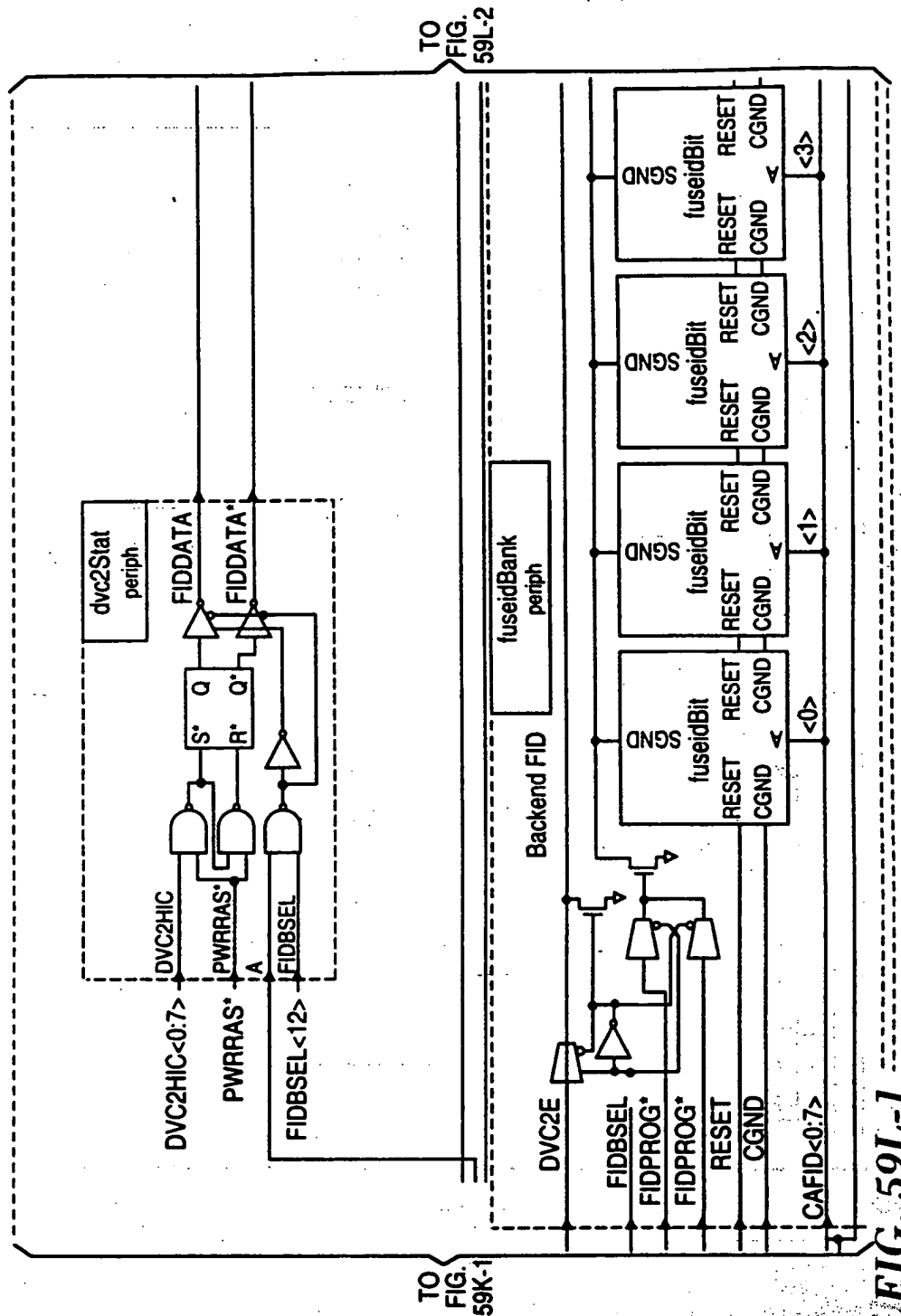
FIG. 59J



[illegible]

**FIG. 59K-1**

052001-052007



**FIG. 59L-1**

100290-71258860

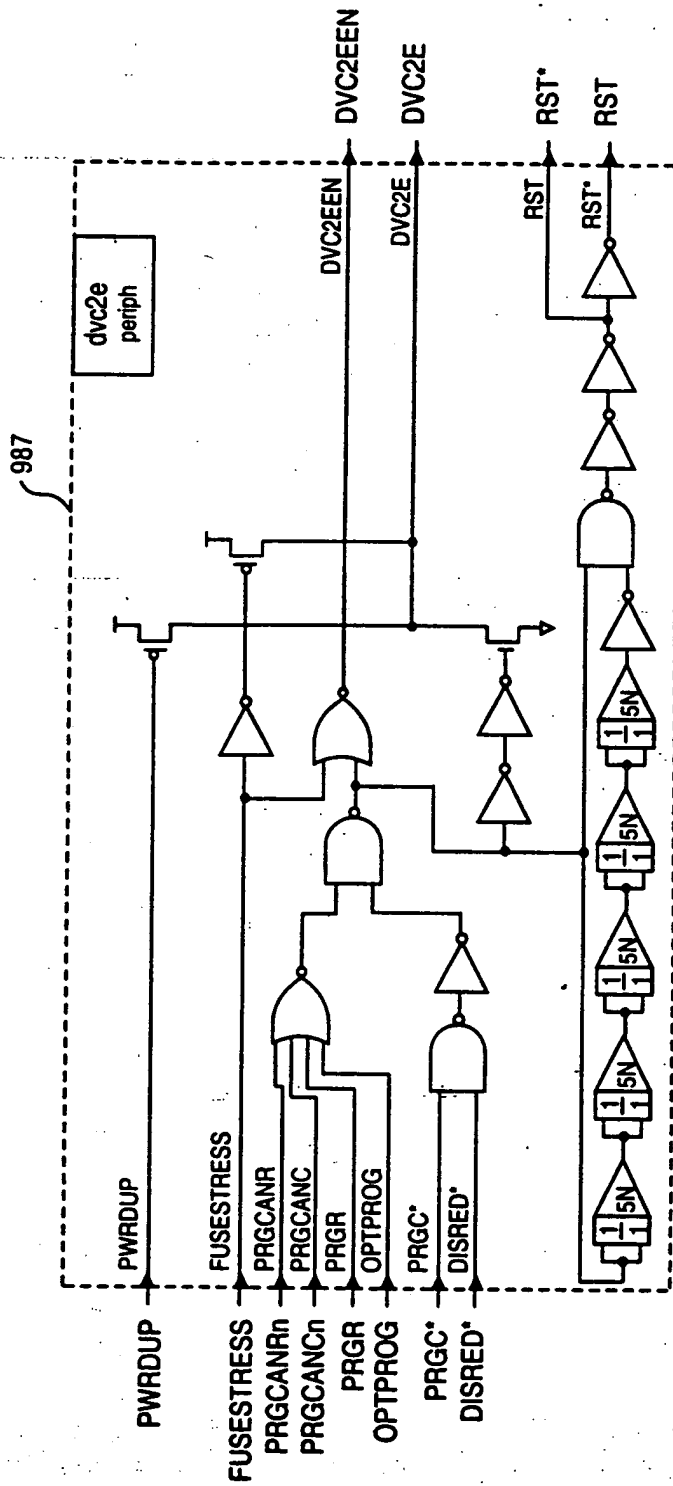
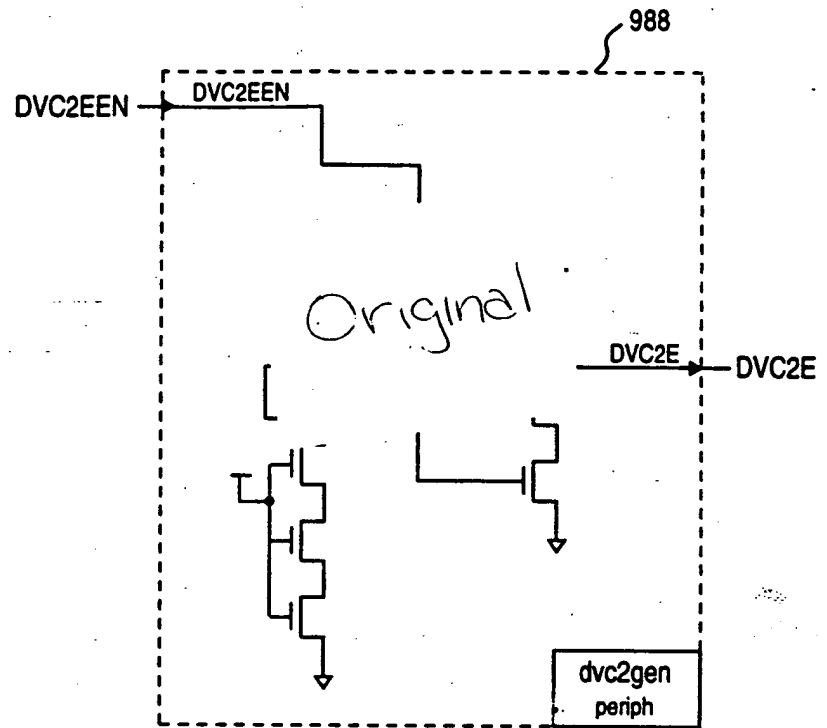


FIG. 59M

09885217.962001



**FIG. 59N**

09885217-052001

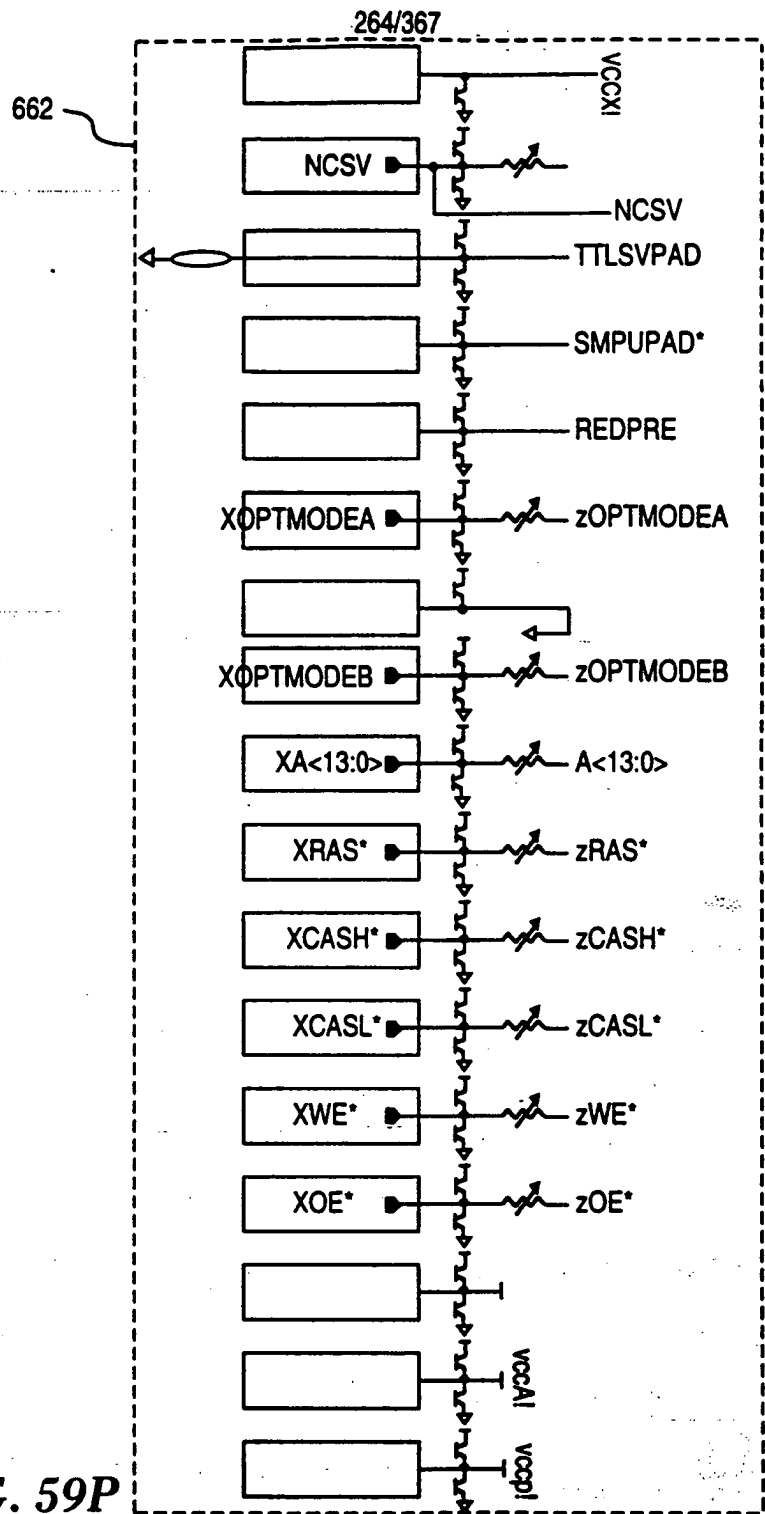
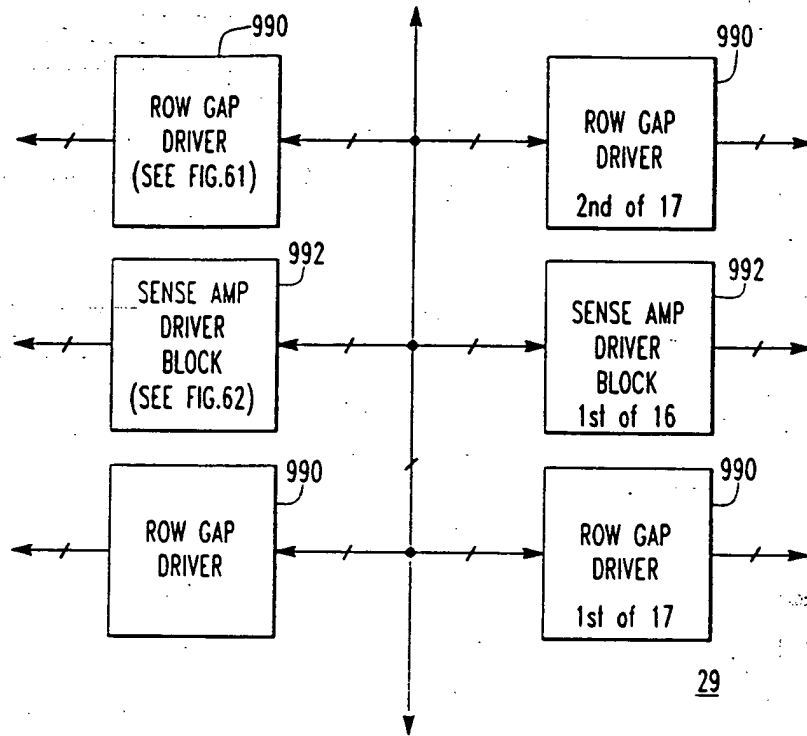


FIG. 59P

09885217-062001



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FIG. 60

100290: 1258860

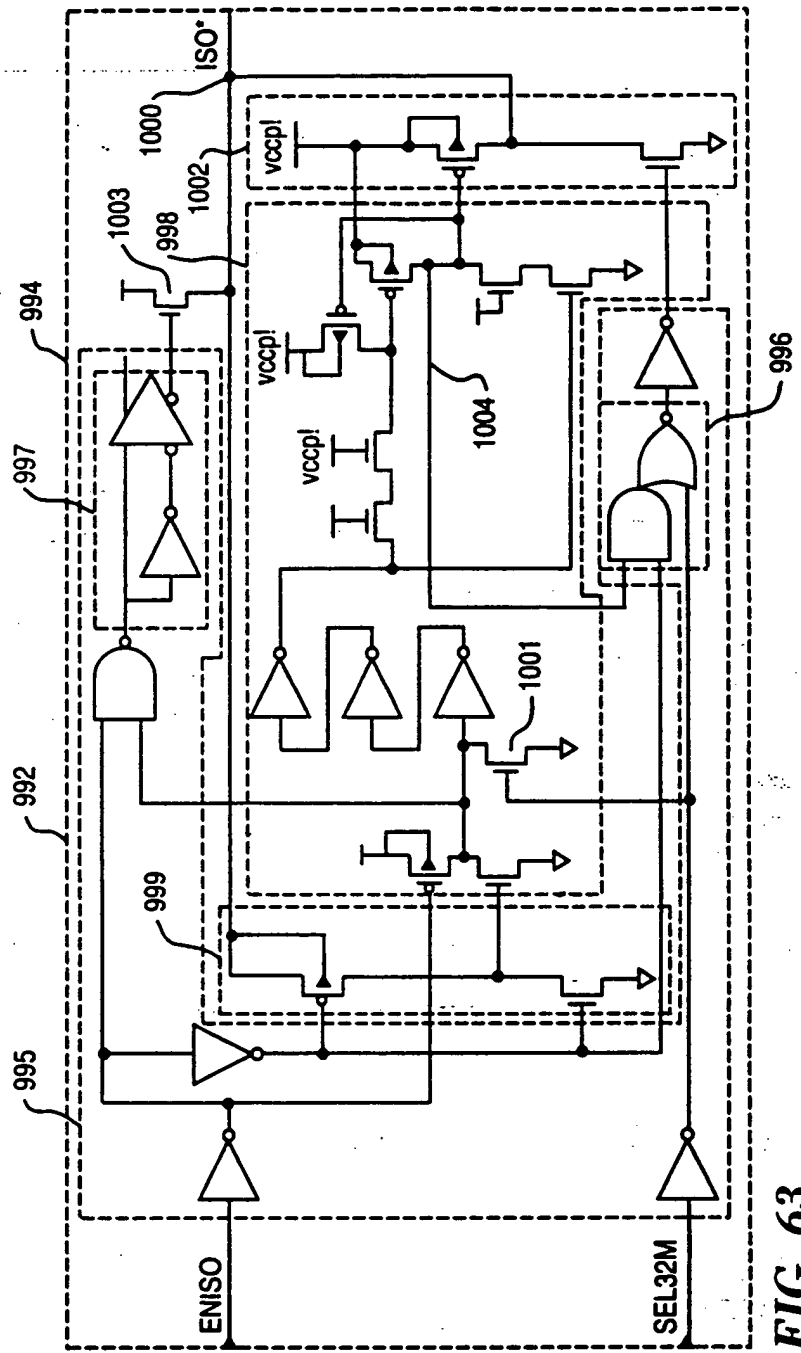


FIG. 63

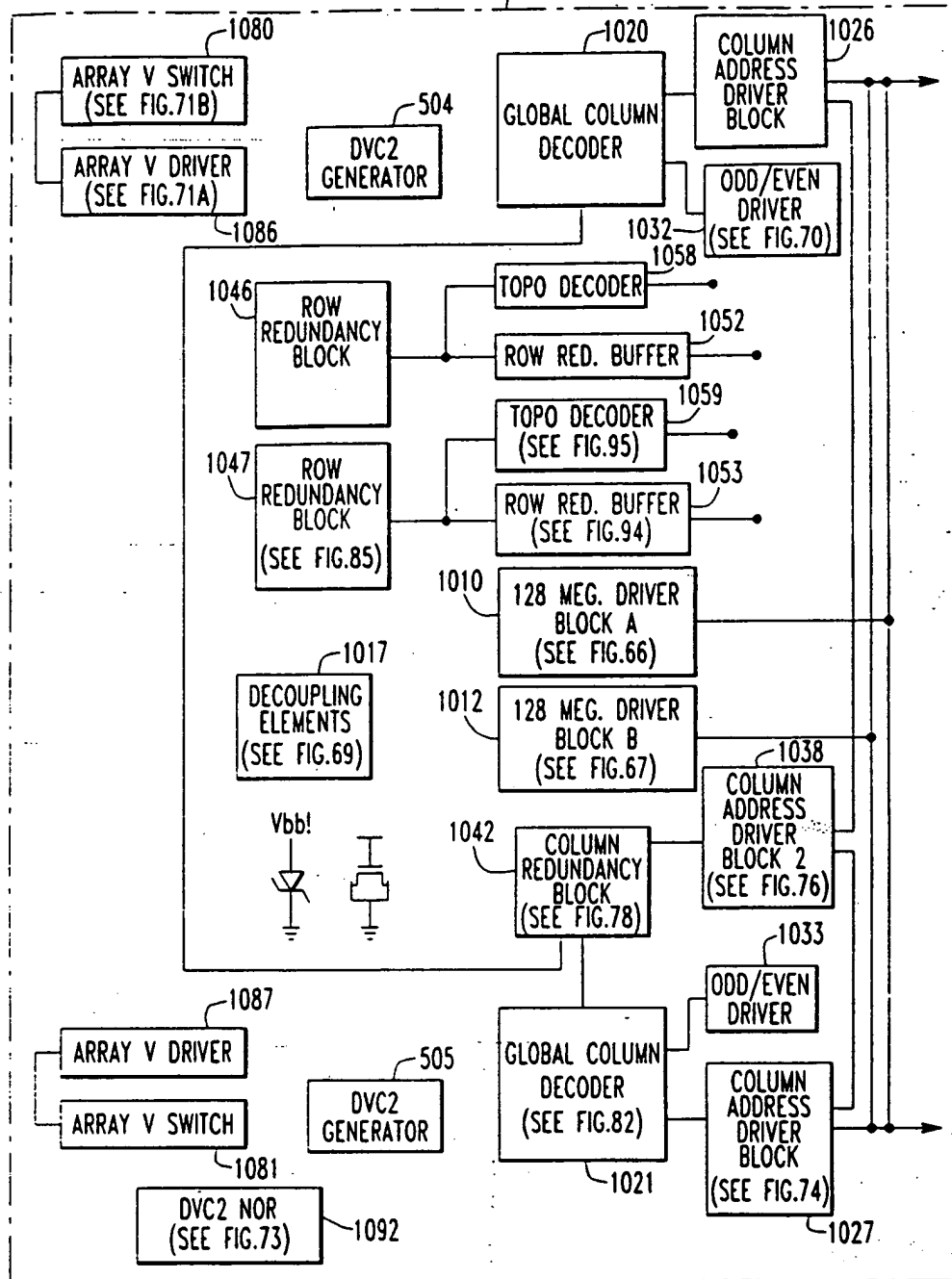


FIG. 64A



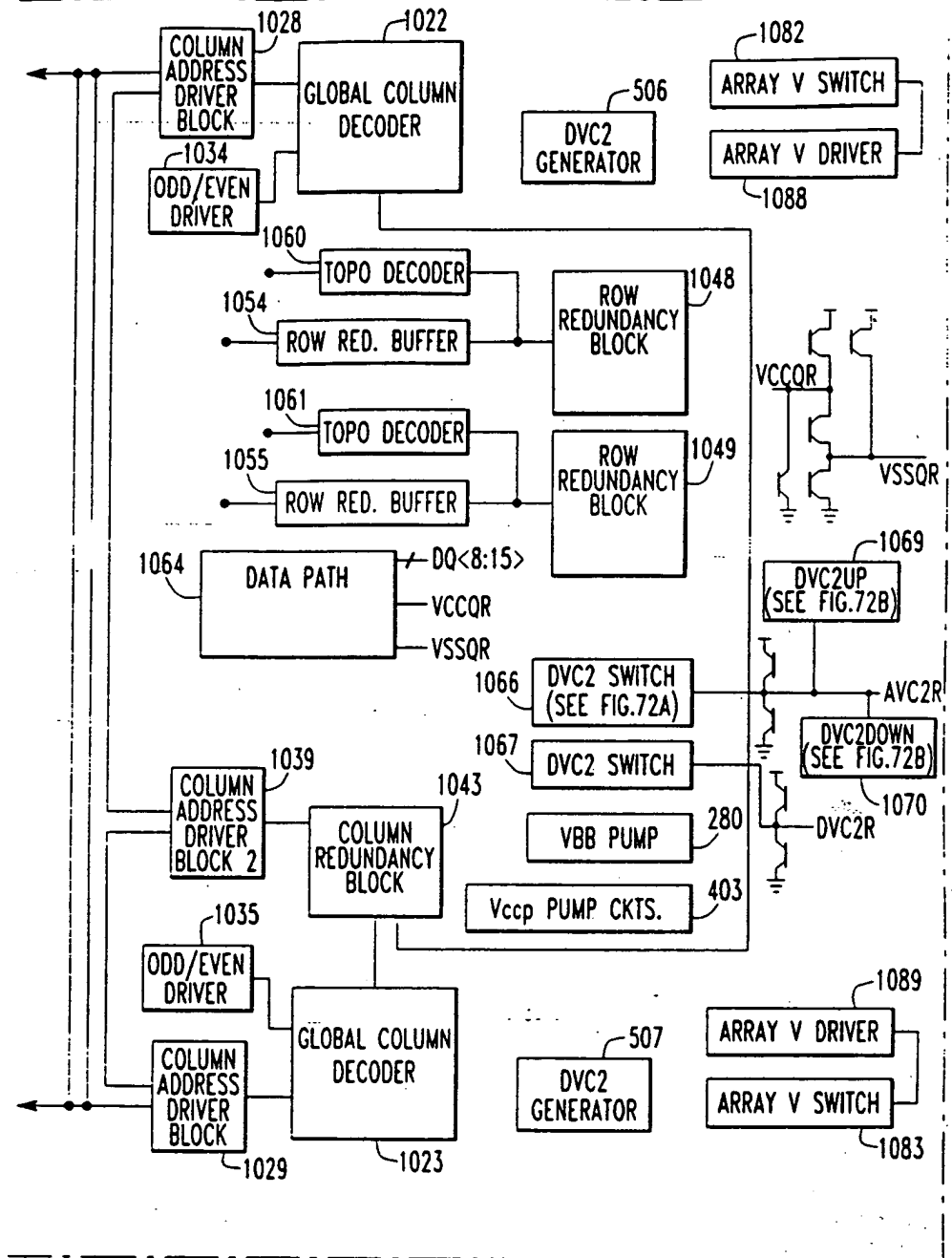


FIG. 64B

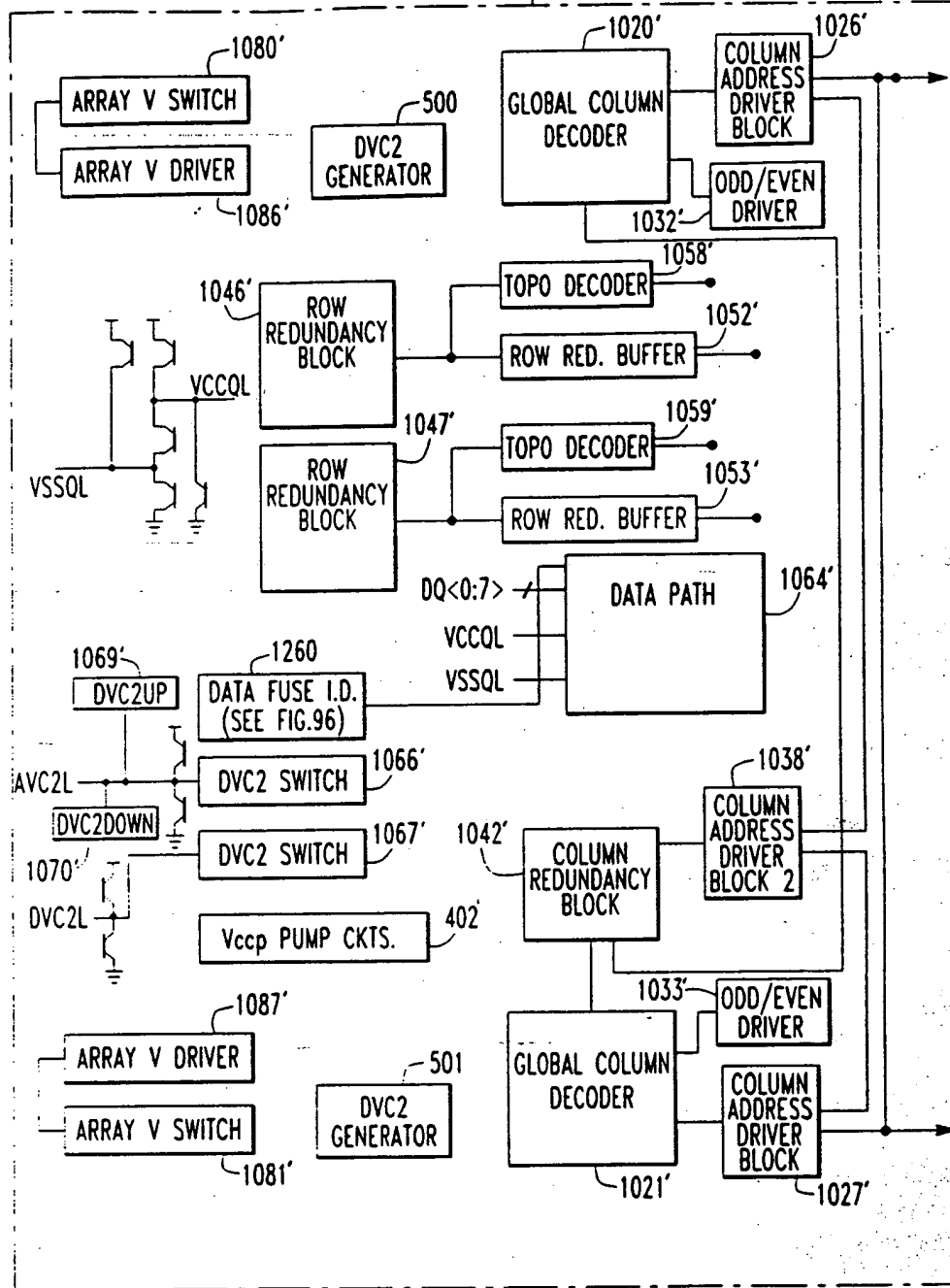


FIG. 65A

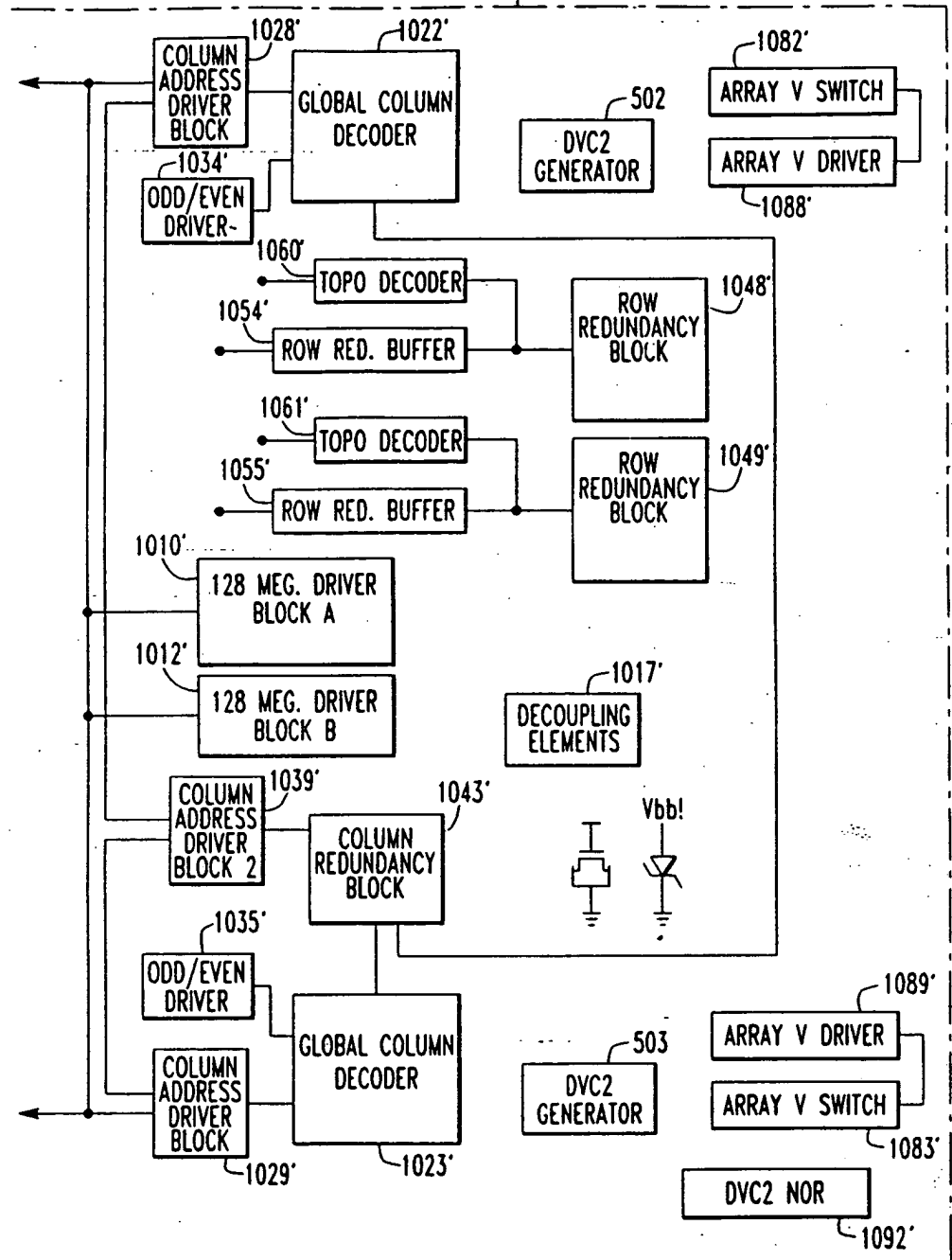


FIG. 65B

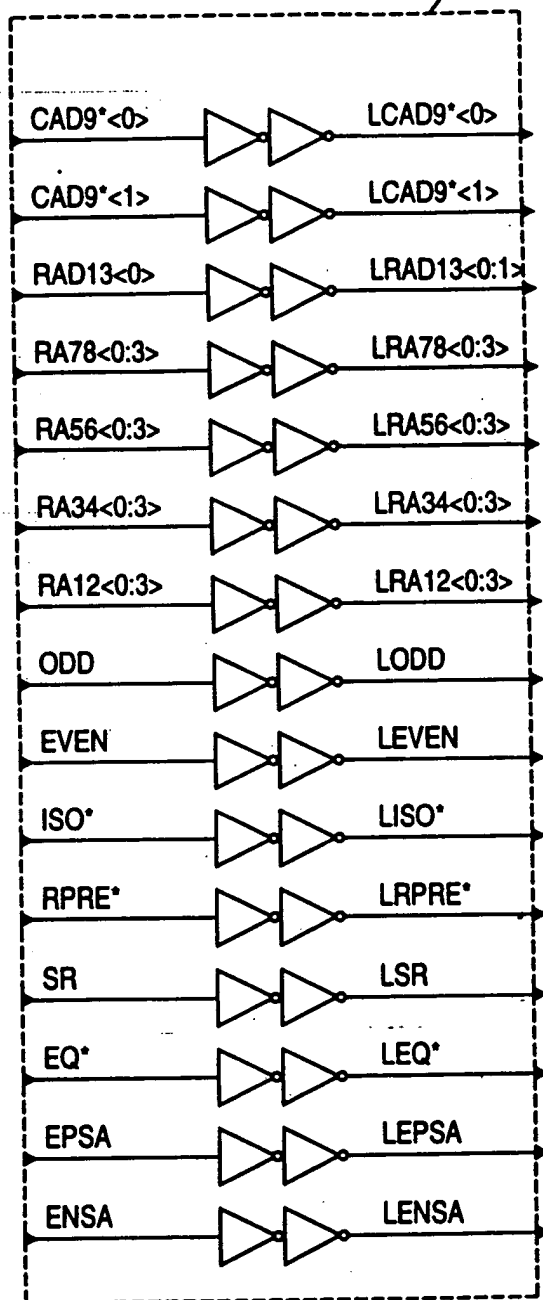


FIG. 66

100240-1258860

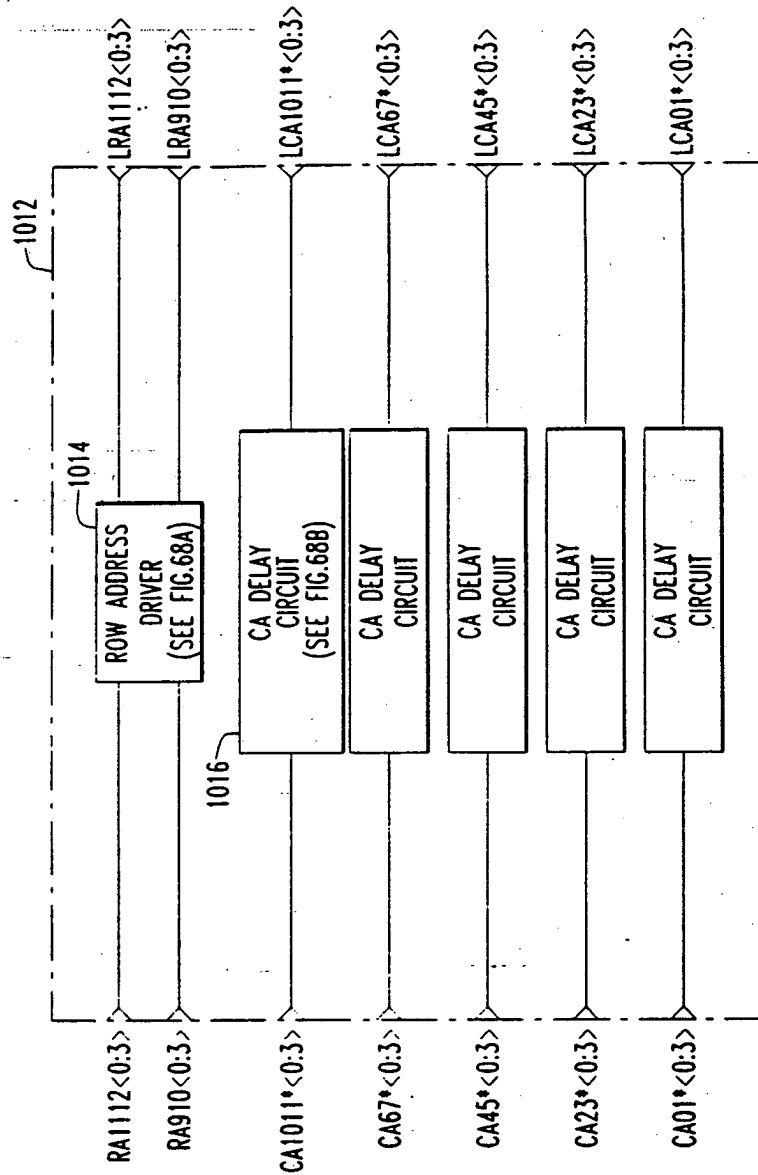


FIG. 67

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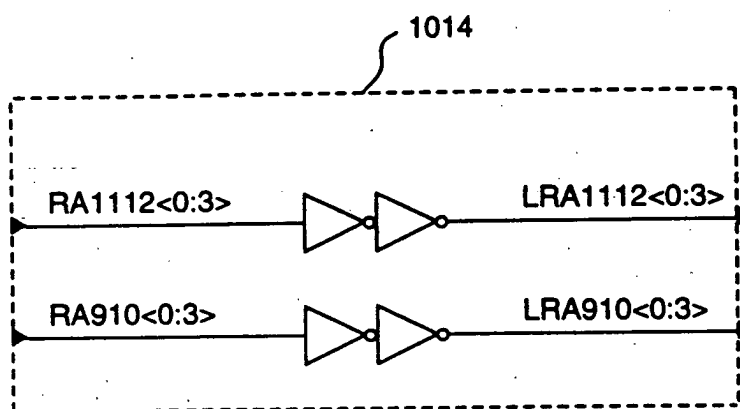


FIG. 68A

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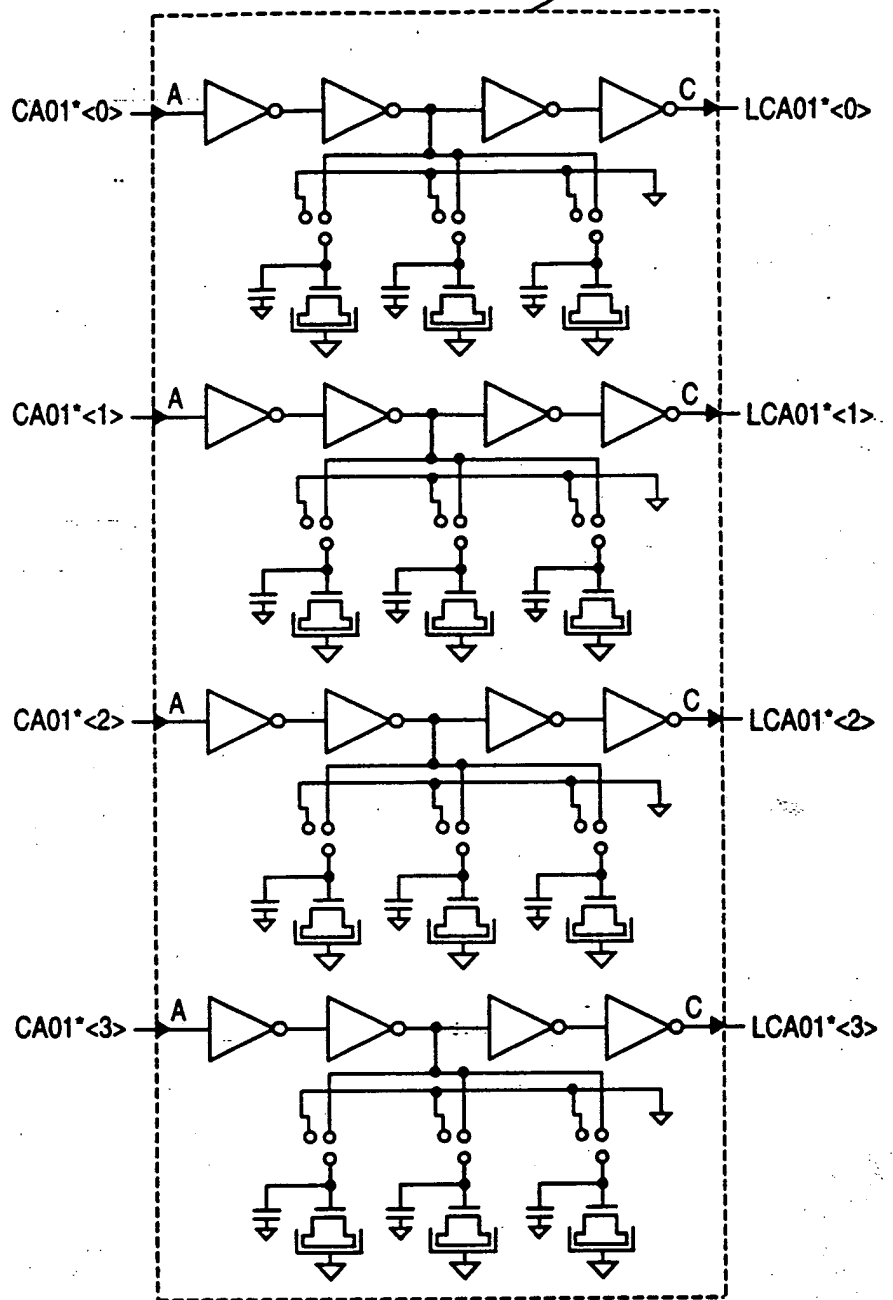


FIG. 68B

002907125880

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100290/1058860

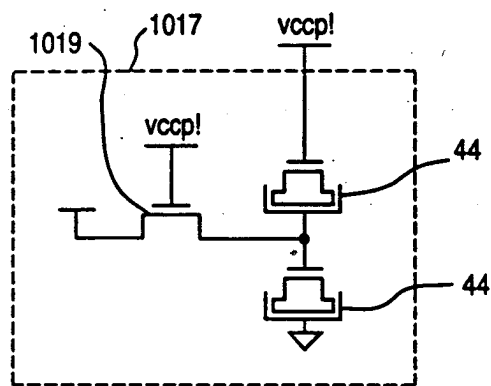


FIG. 69



09885217-062001  
100290-7258860

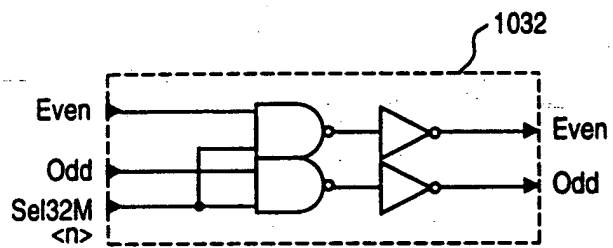


FIG. 70

100290/1258860

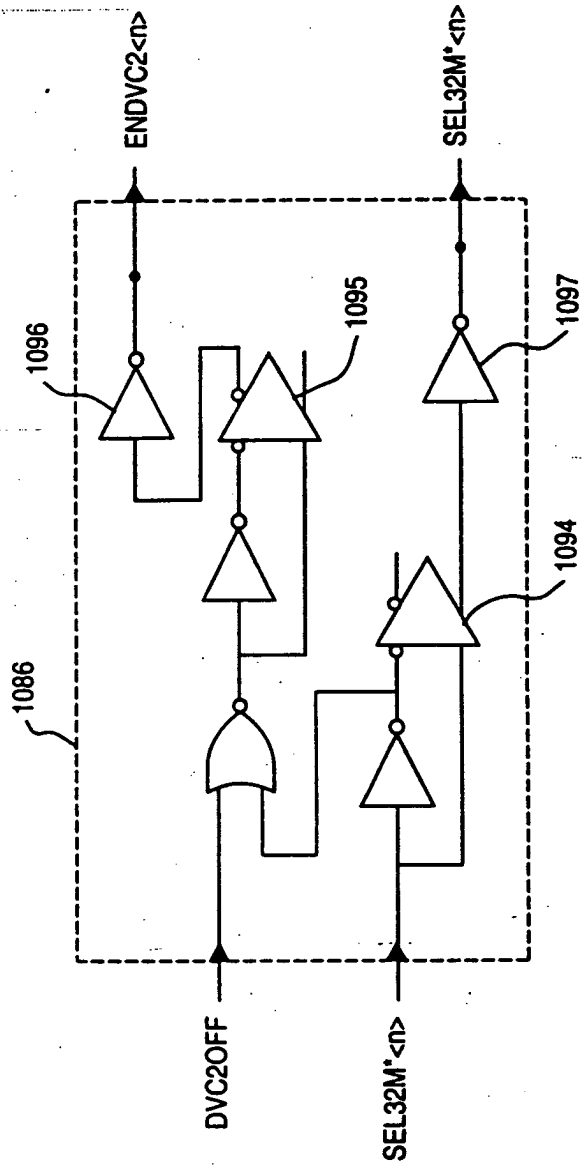


FIG. 71A

100280-1258860

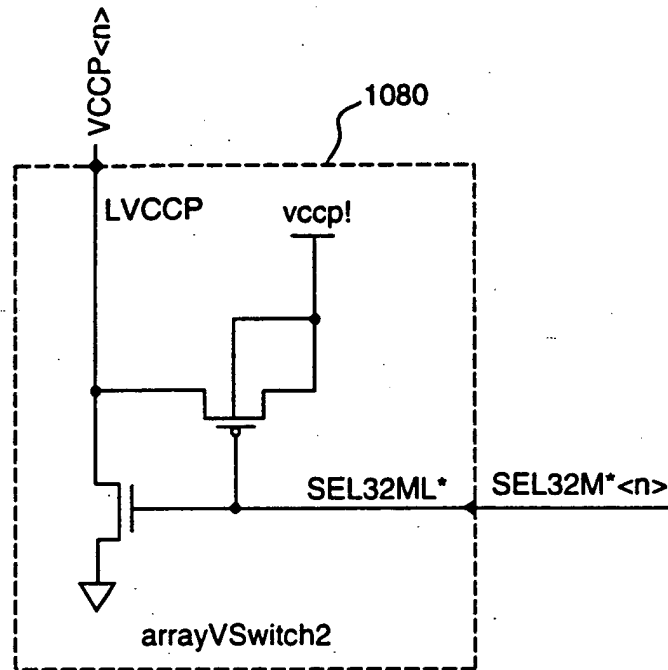


FIG. 71B

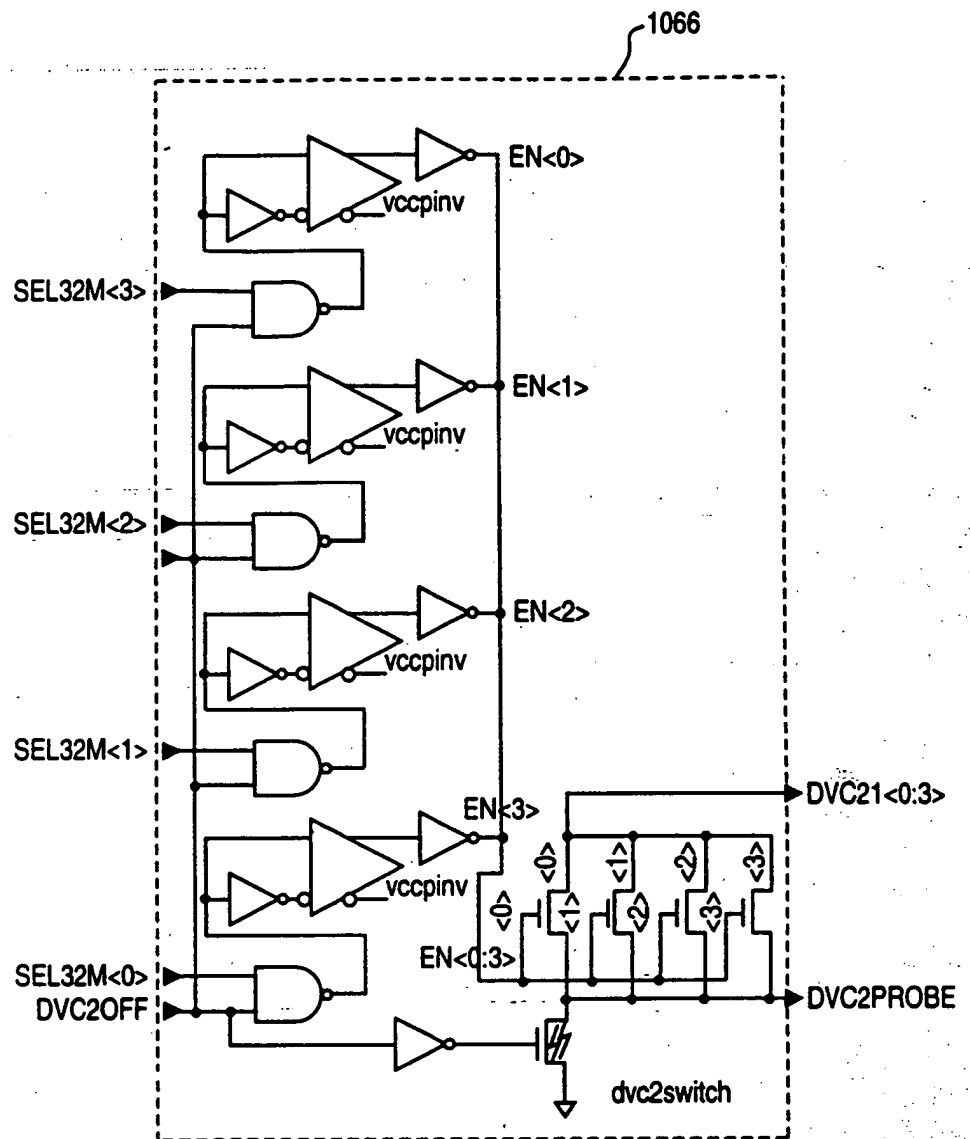


FIG. 72A

100290-1258860

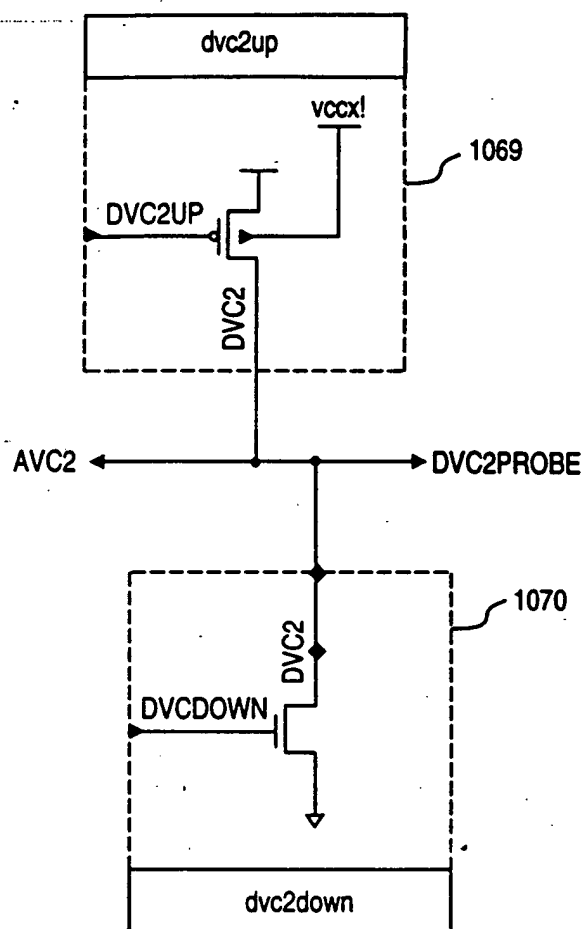


FIG. 72B

100296-7258860

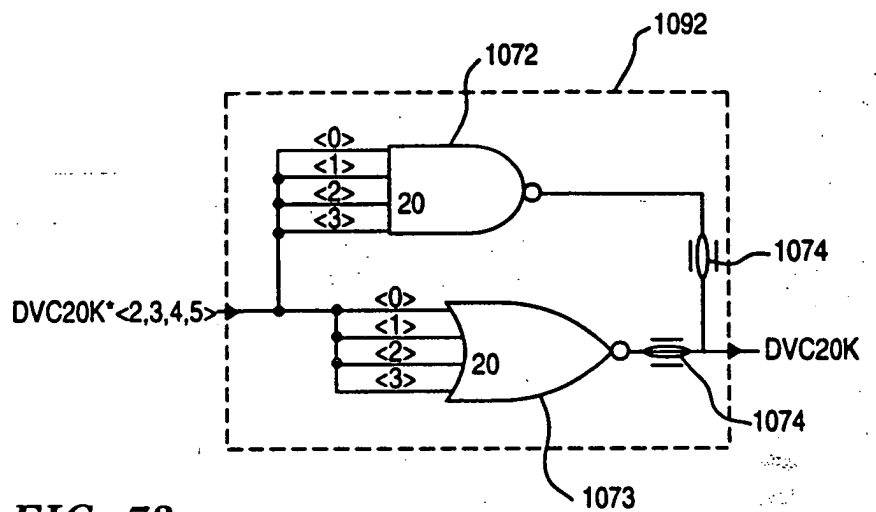


FIG. 73

100290/1258860

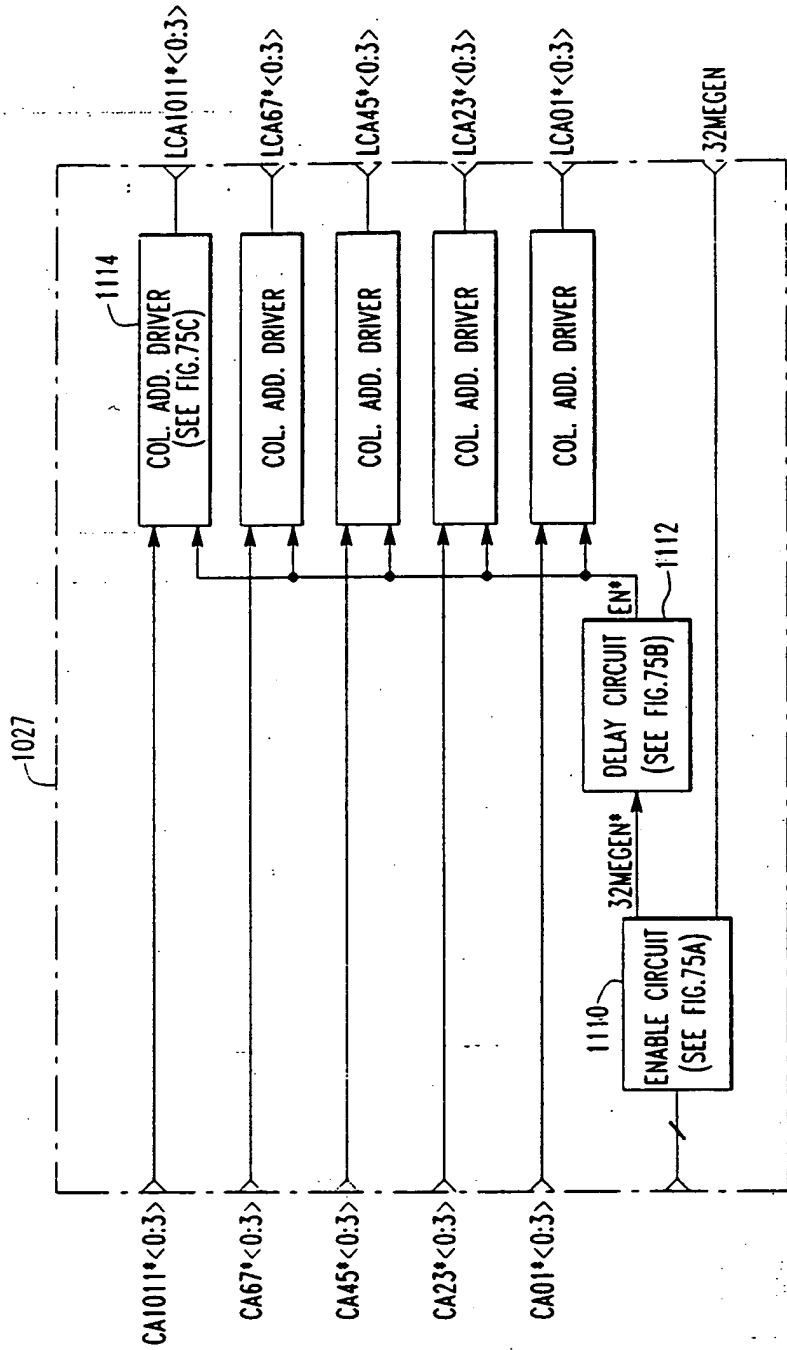


FIG. 74

100290-1258860

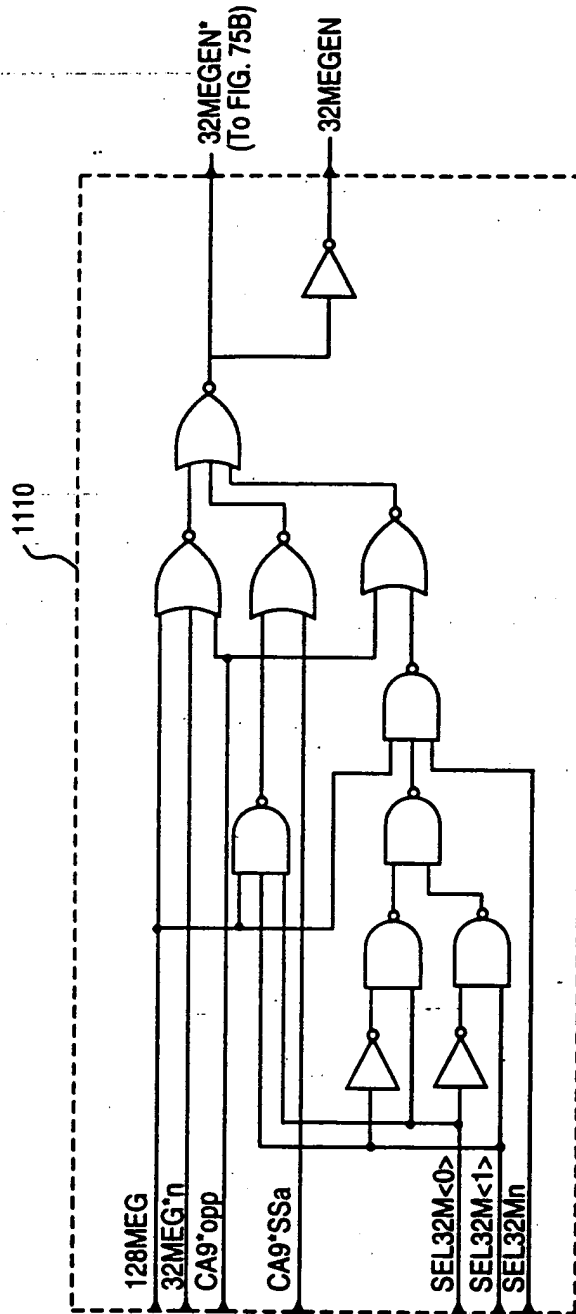


FIG. 75A



11258860/290200

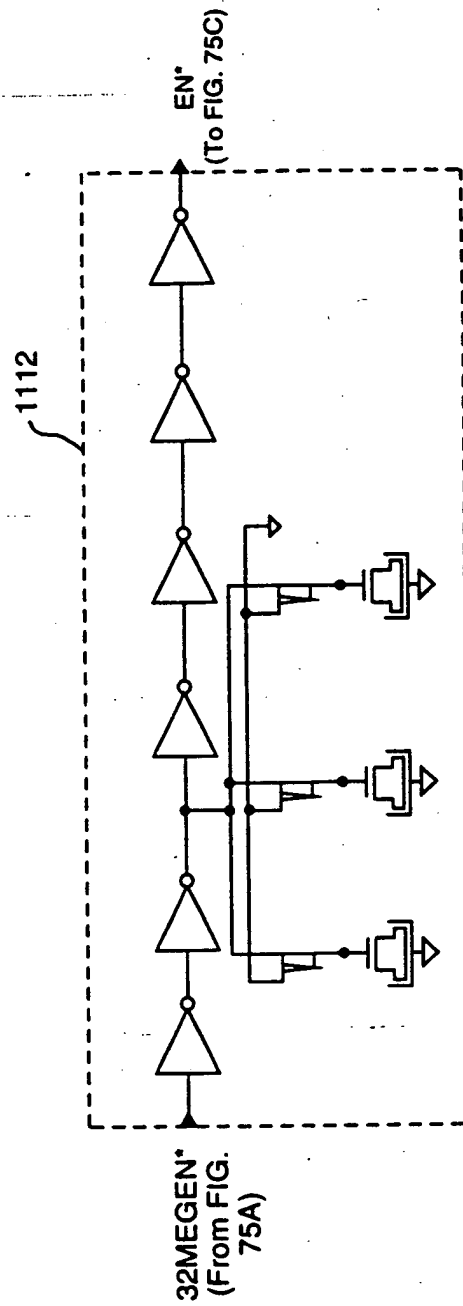


FIG. 75B

100290-71258860

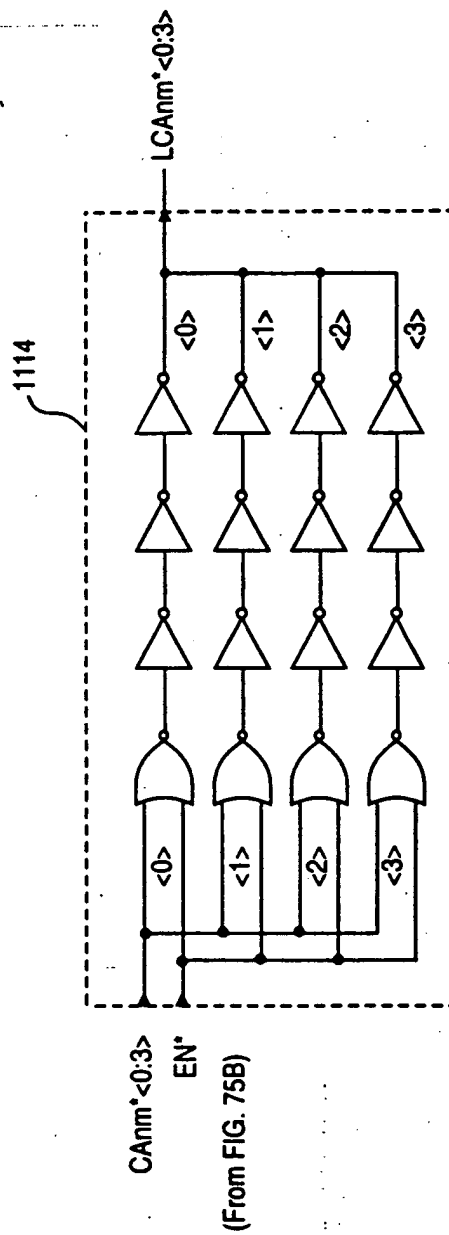


FIG. 75C

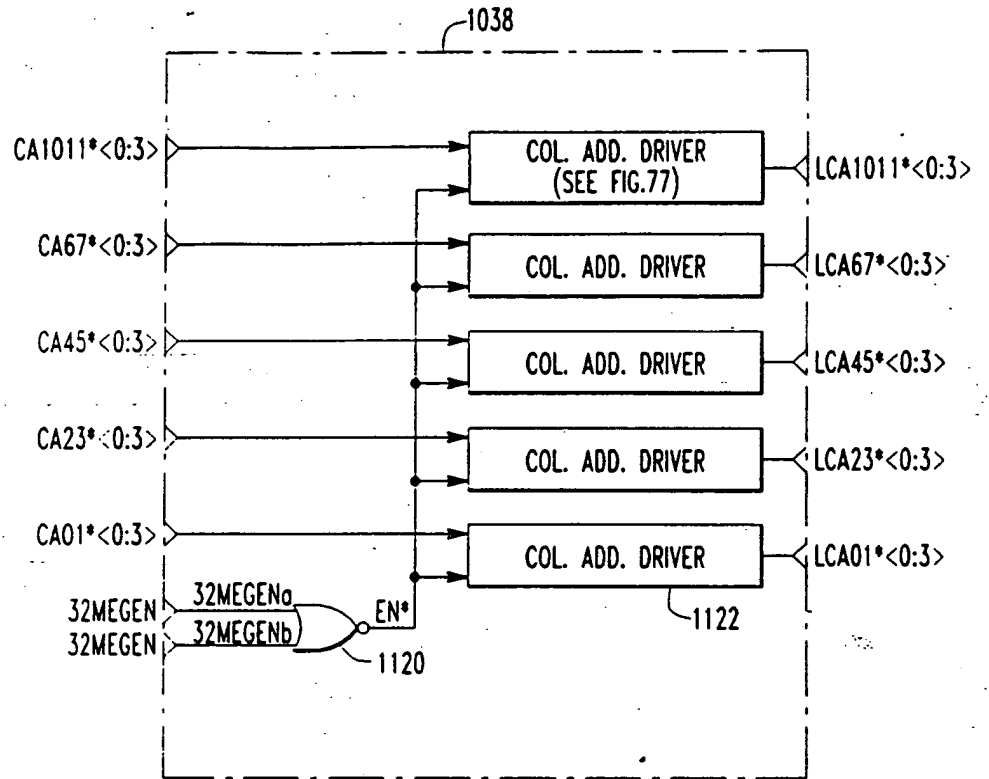


FIG. 76

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110290/1258860

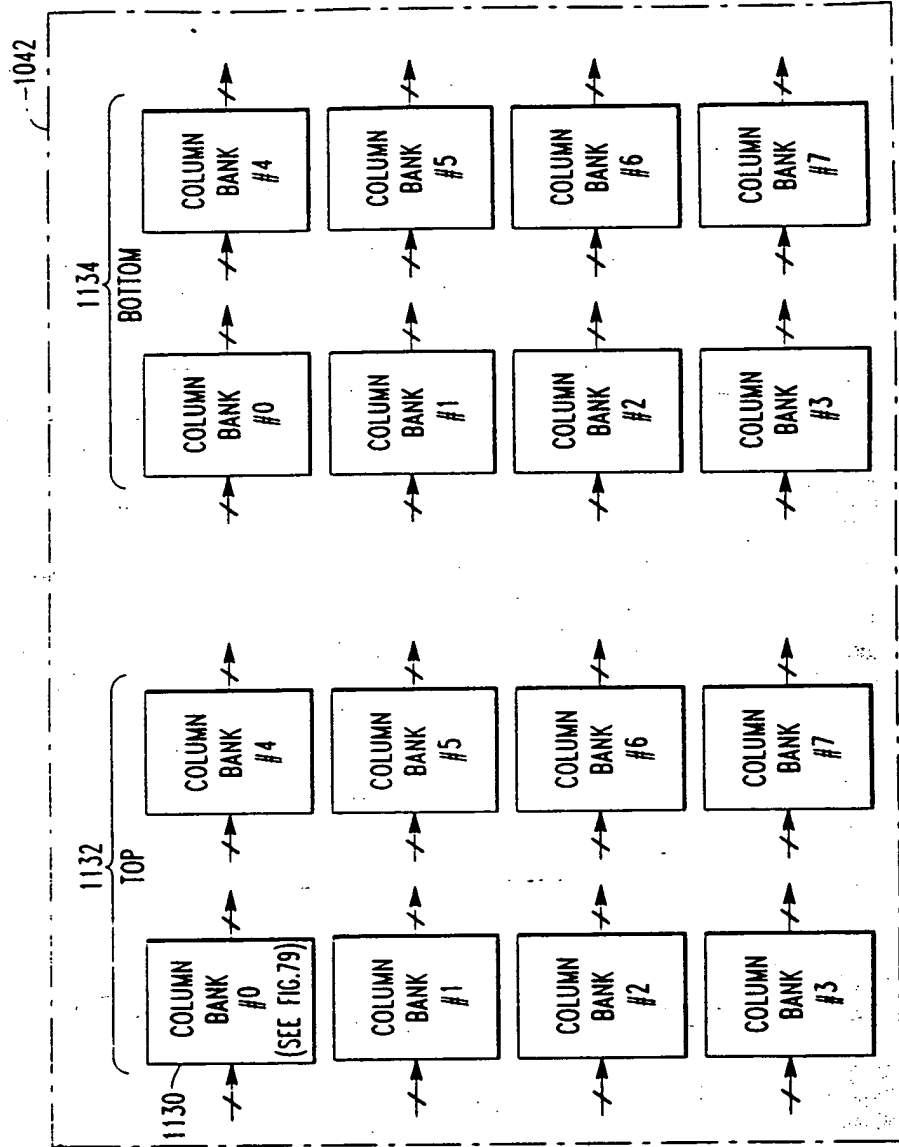
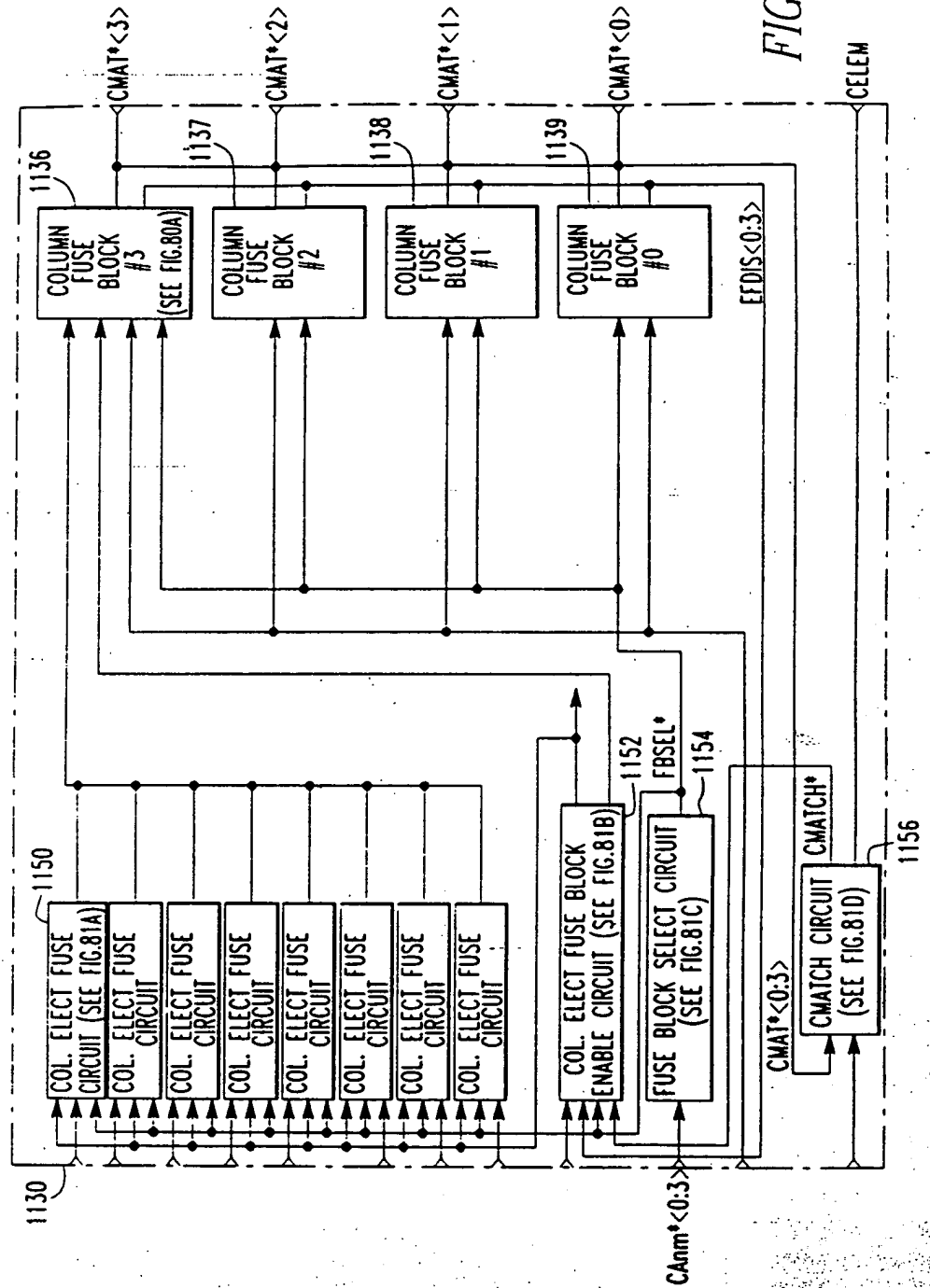


FIG. 78

100290-1258860



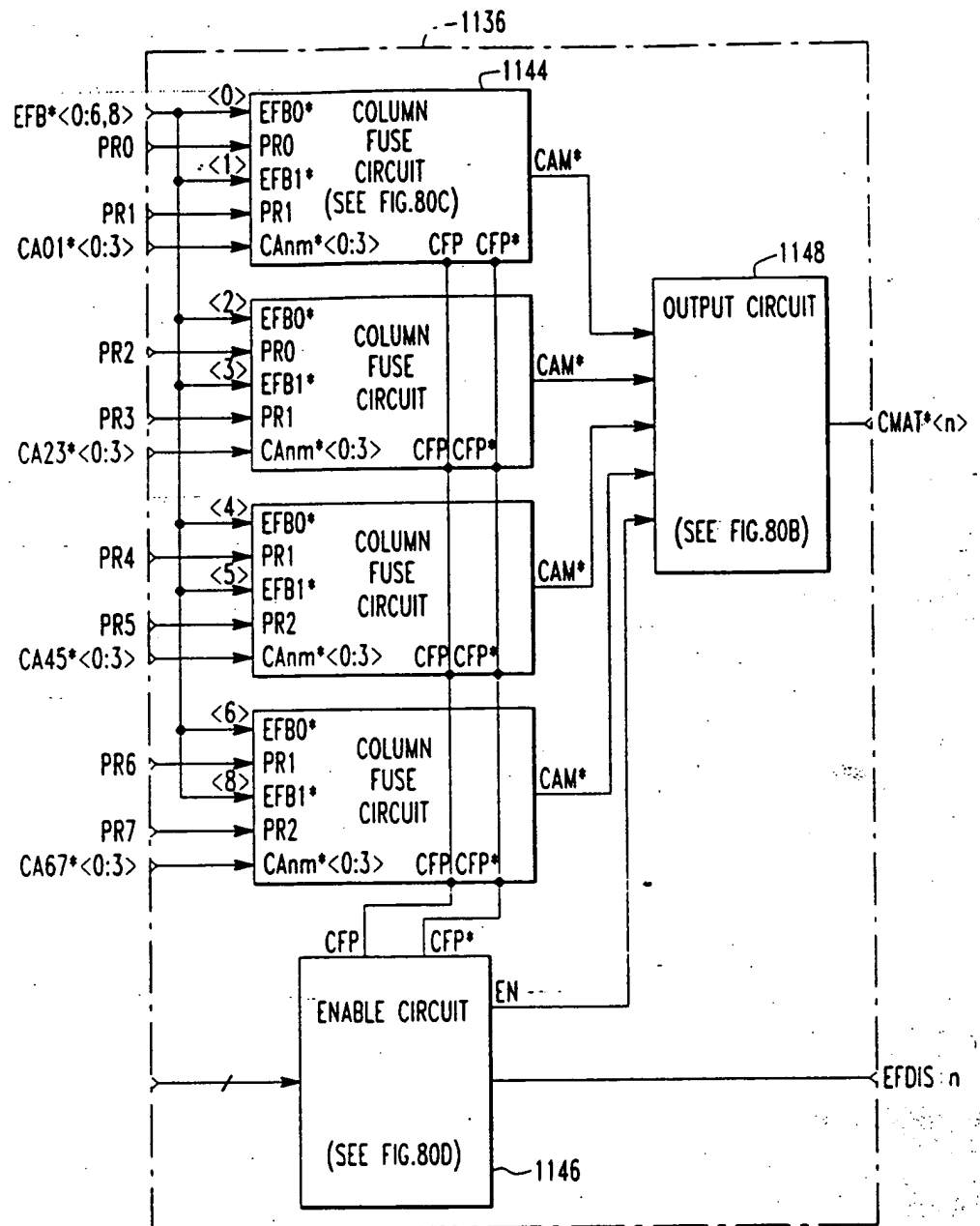


FIG. 80A

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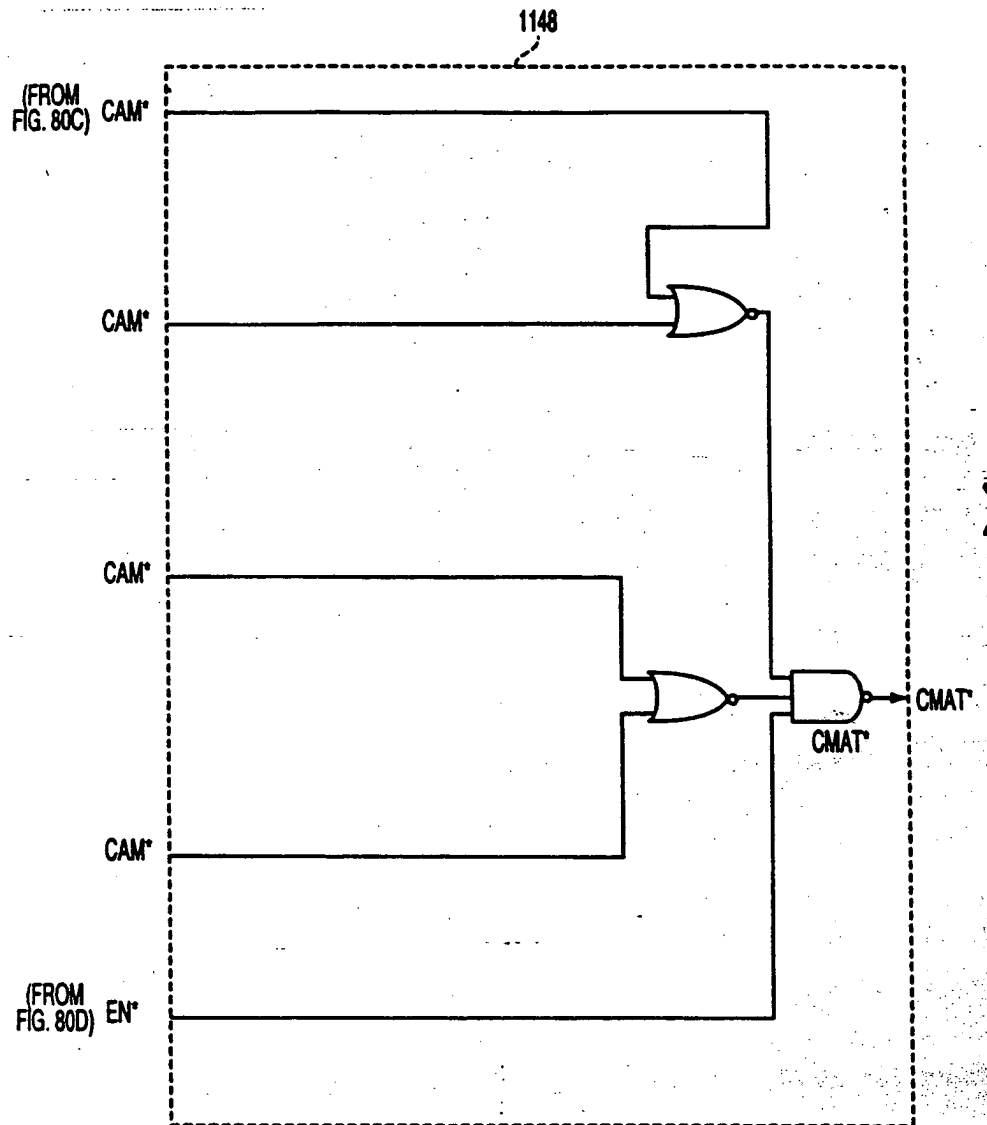


FIG. 80B

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11  
T00290/21258860

1144

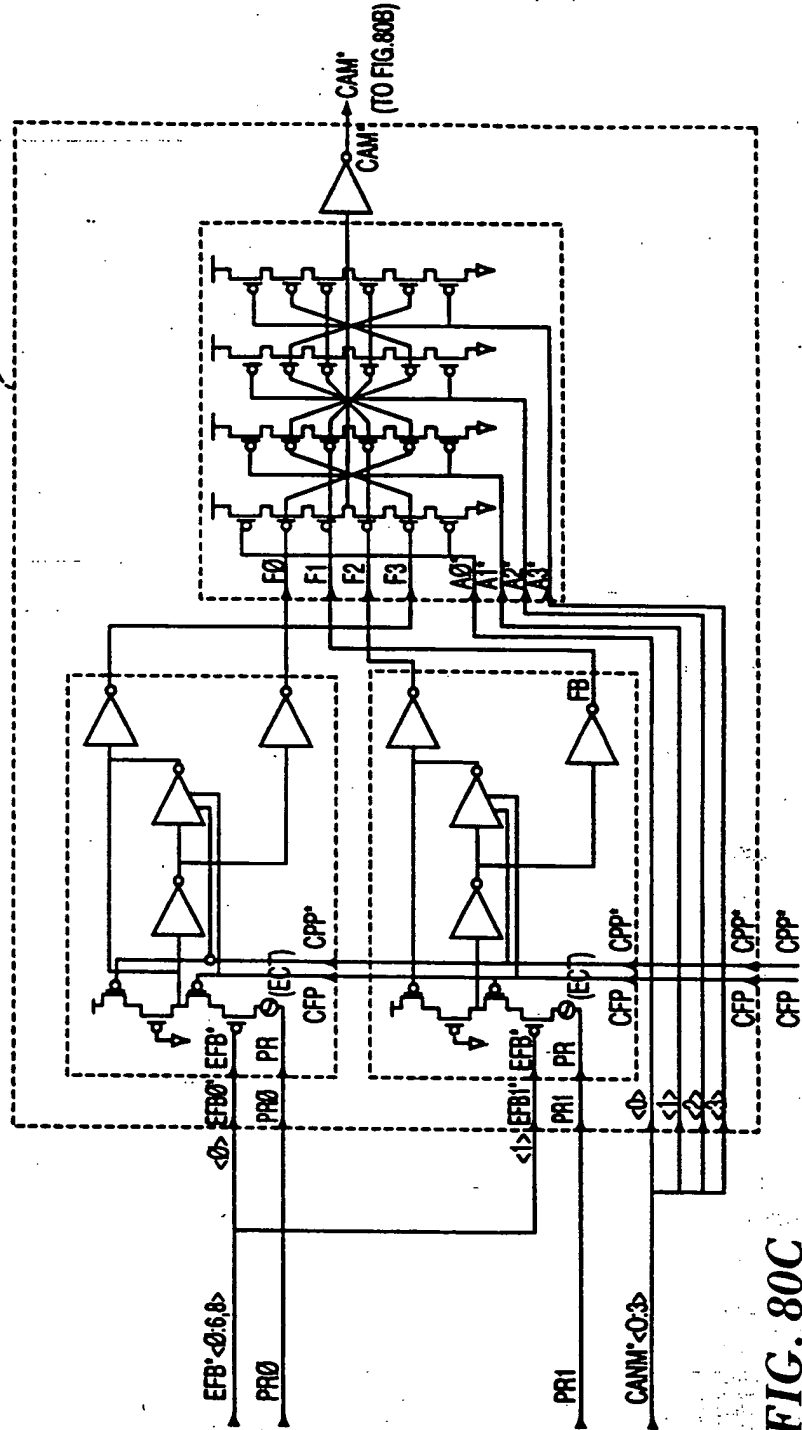


FIG. 80C



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1146

FIG. 80D

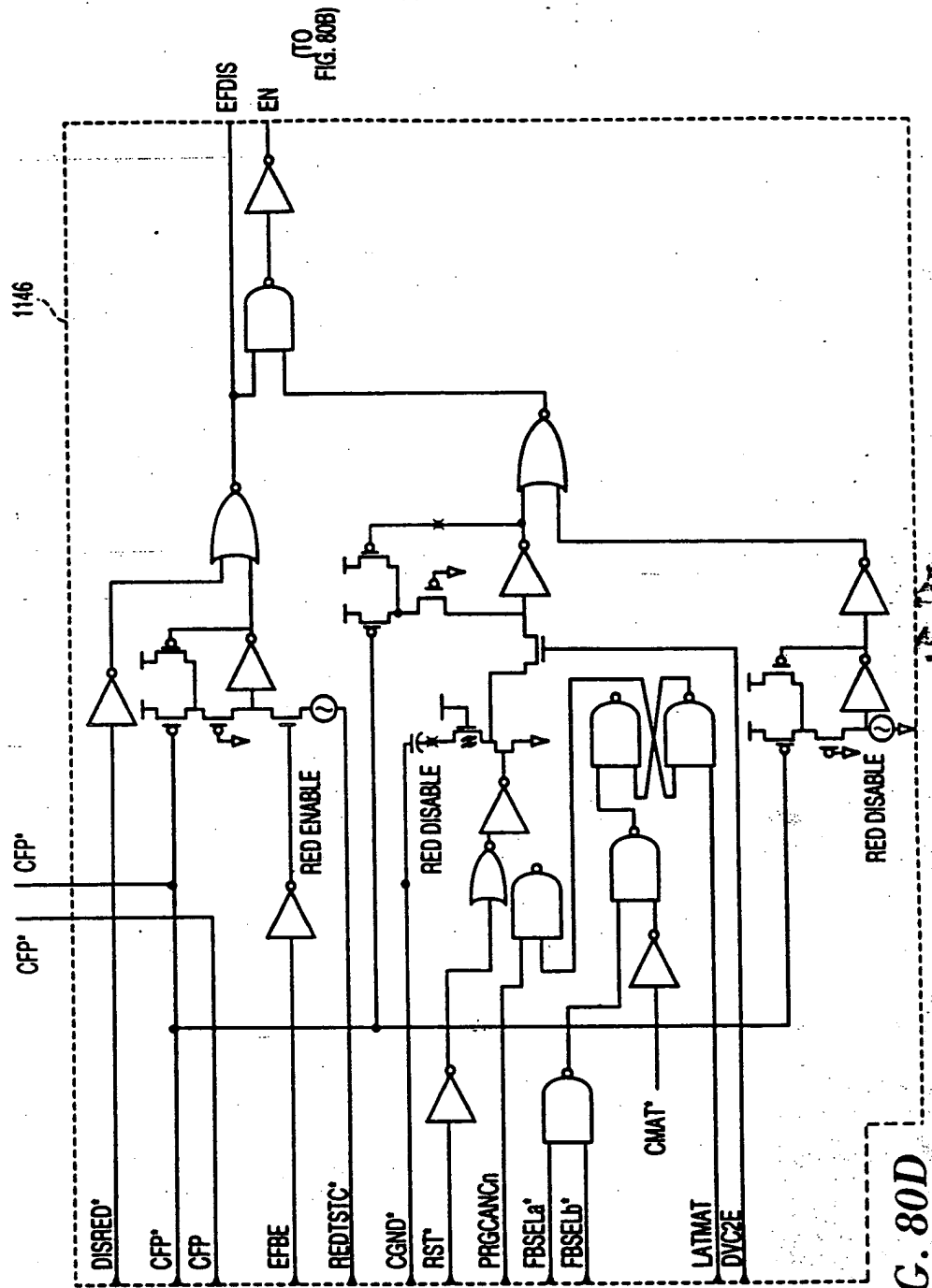


FIG. 80D

100290-71258860

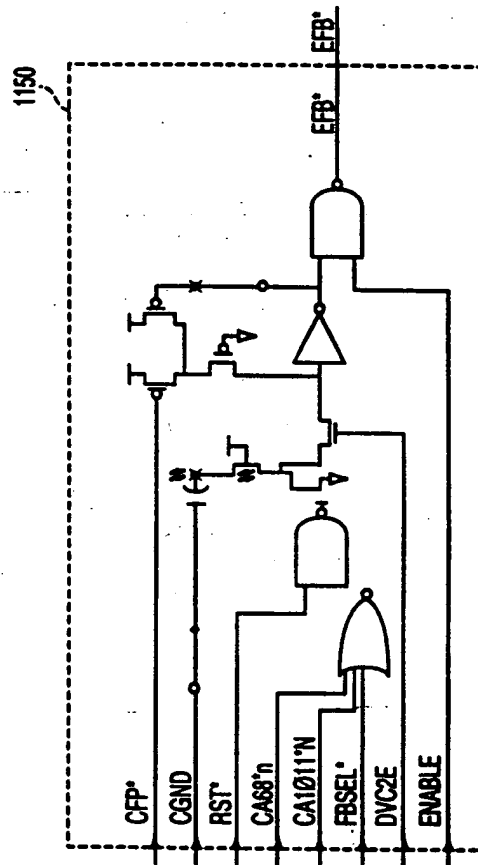


FIG. 81A

100290-71258860

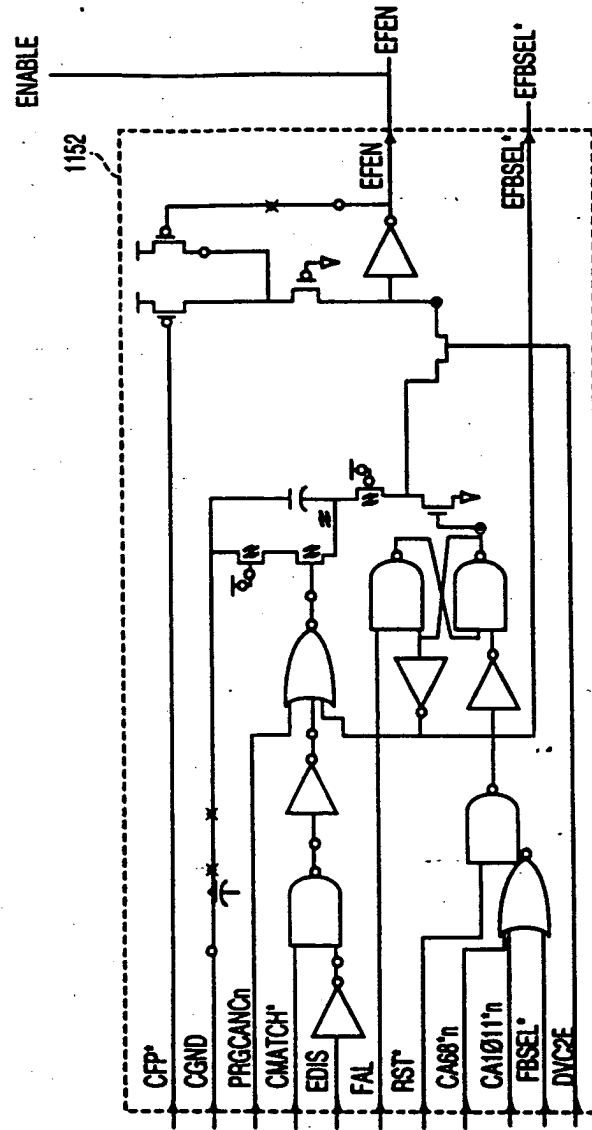


FIG. 81B

11  
100290-1258860

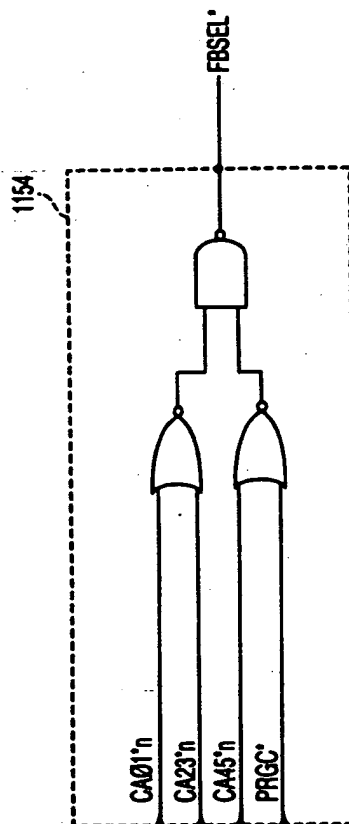


FIG. 81C

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100290-21258860

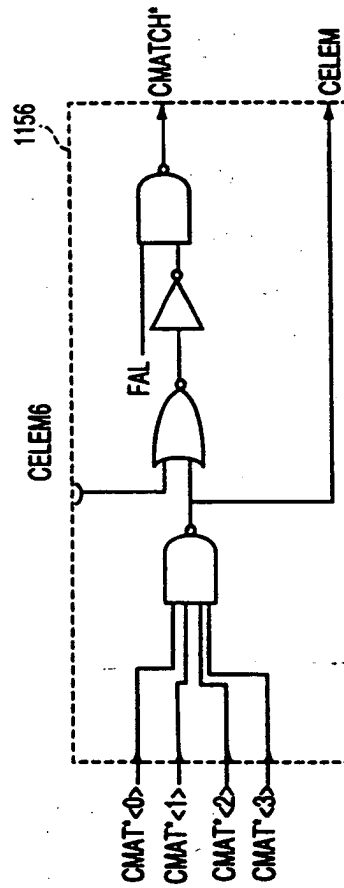


FIG. 81D

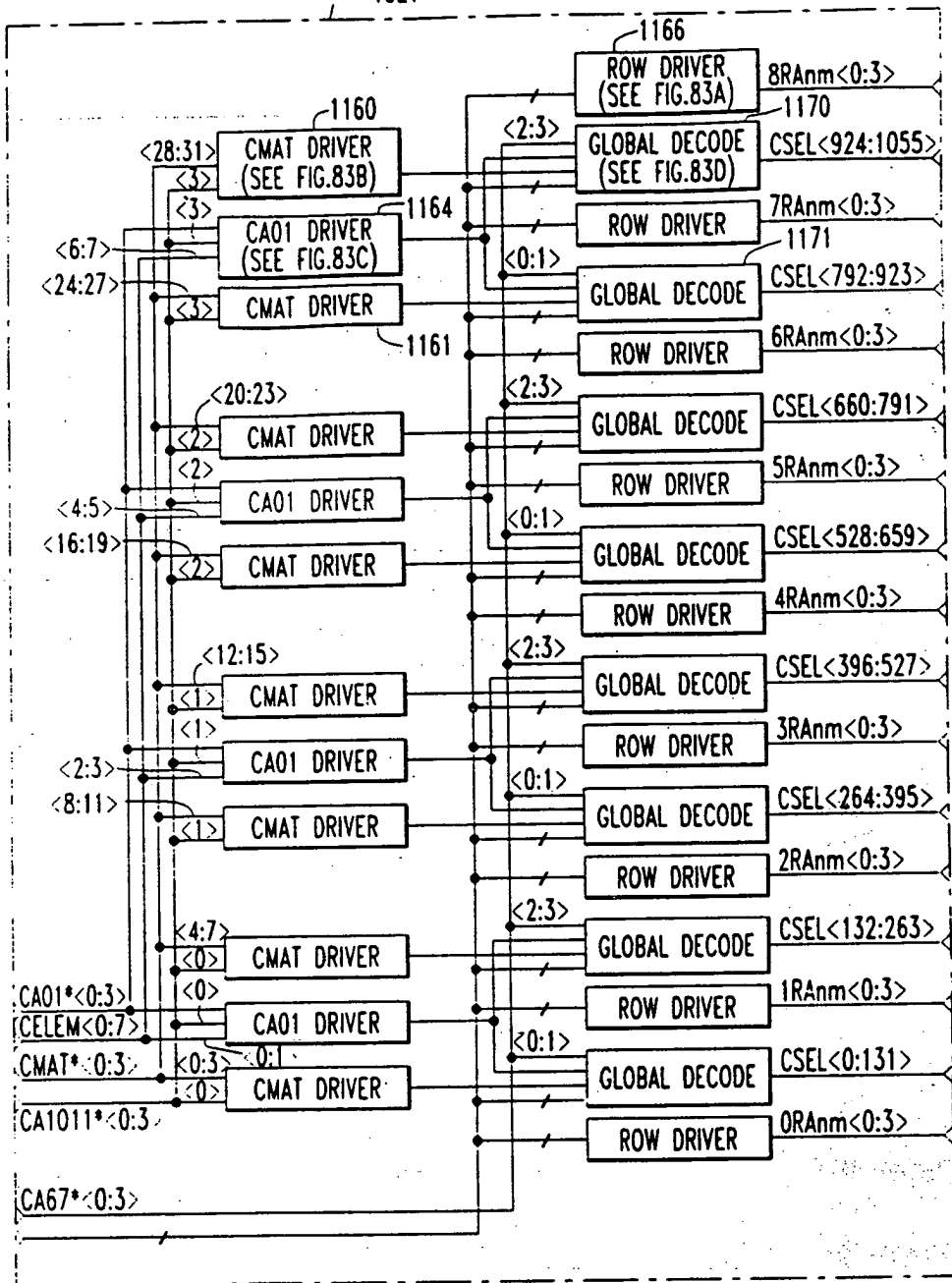


FIG. 82

100290-1258860

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11  
F00290-71258860

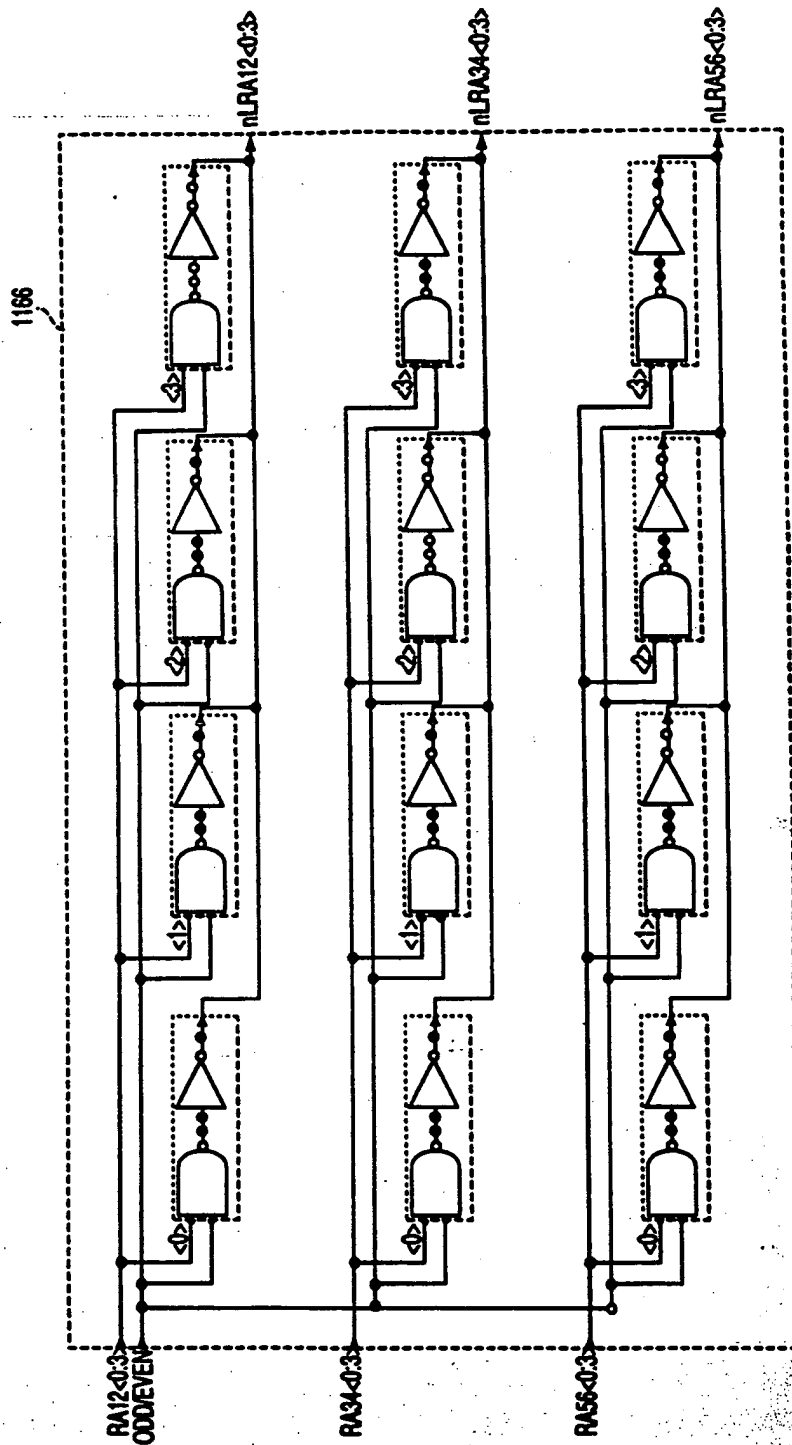


FIG. 83A

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11  
T00290\* / K258860

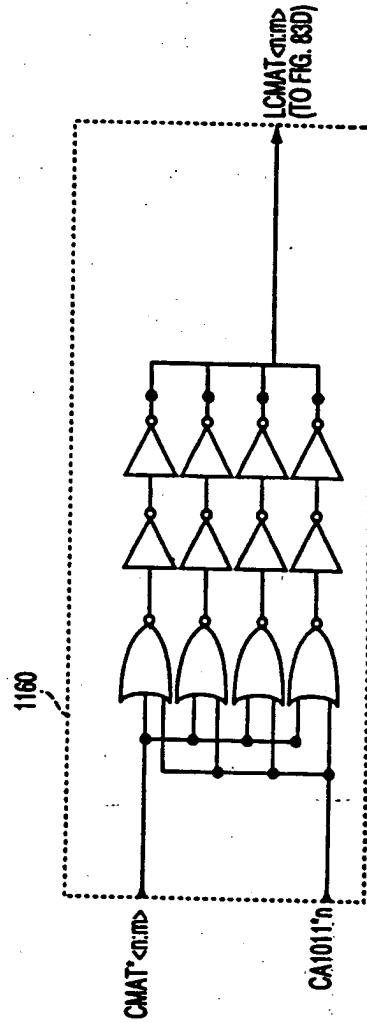


FIG. 83B



110290-7258860

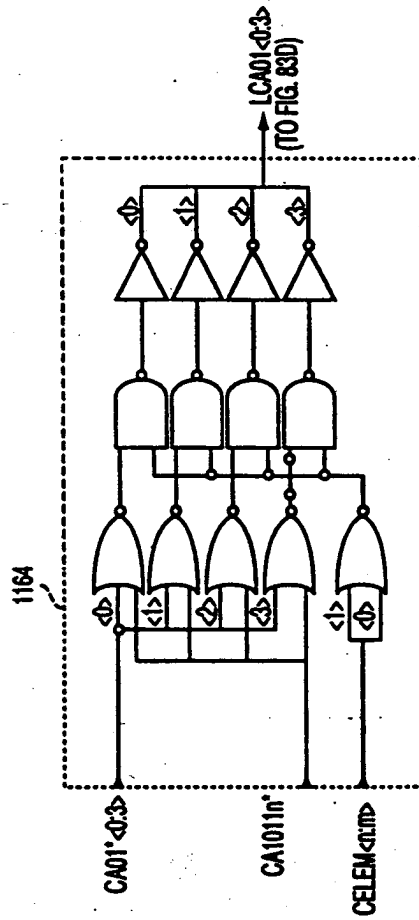
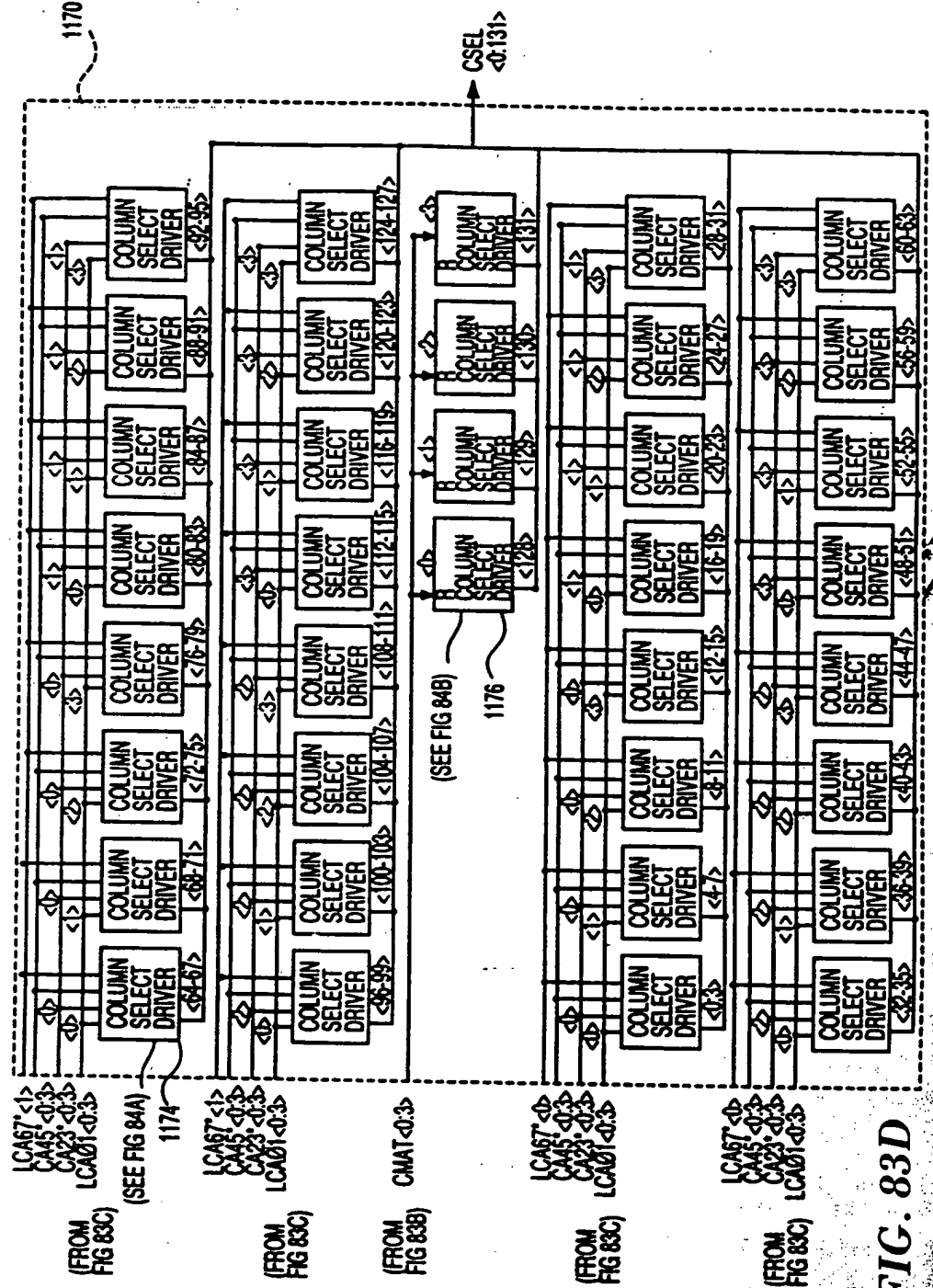


FIG. 83C

100290-71258860



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T00290 1258860

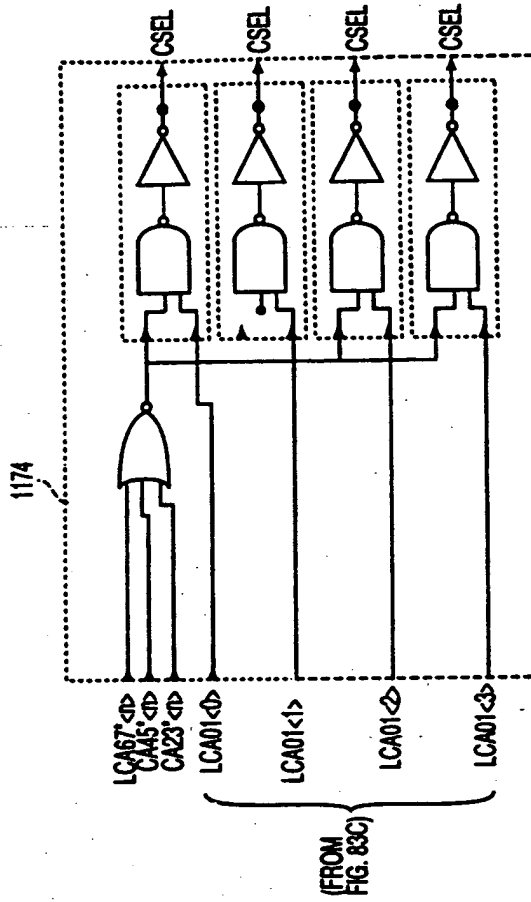
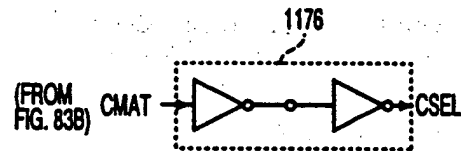


FIG. 84A

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098852171062001  
10029011258860



**FIG. 84B**

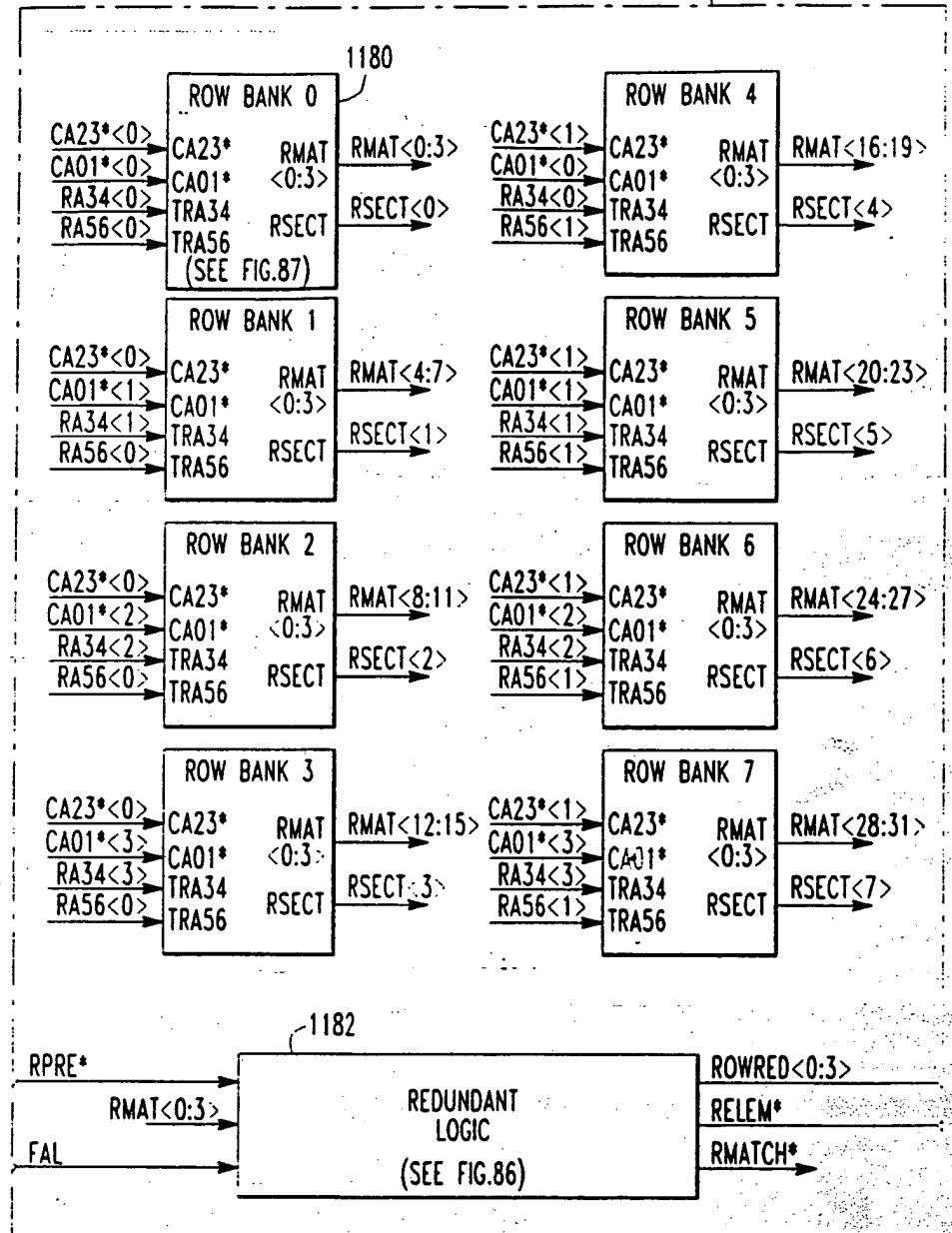
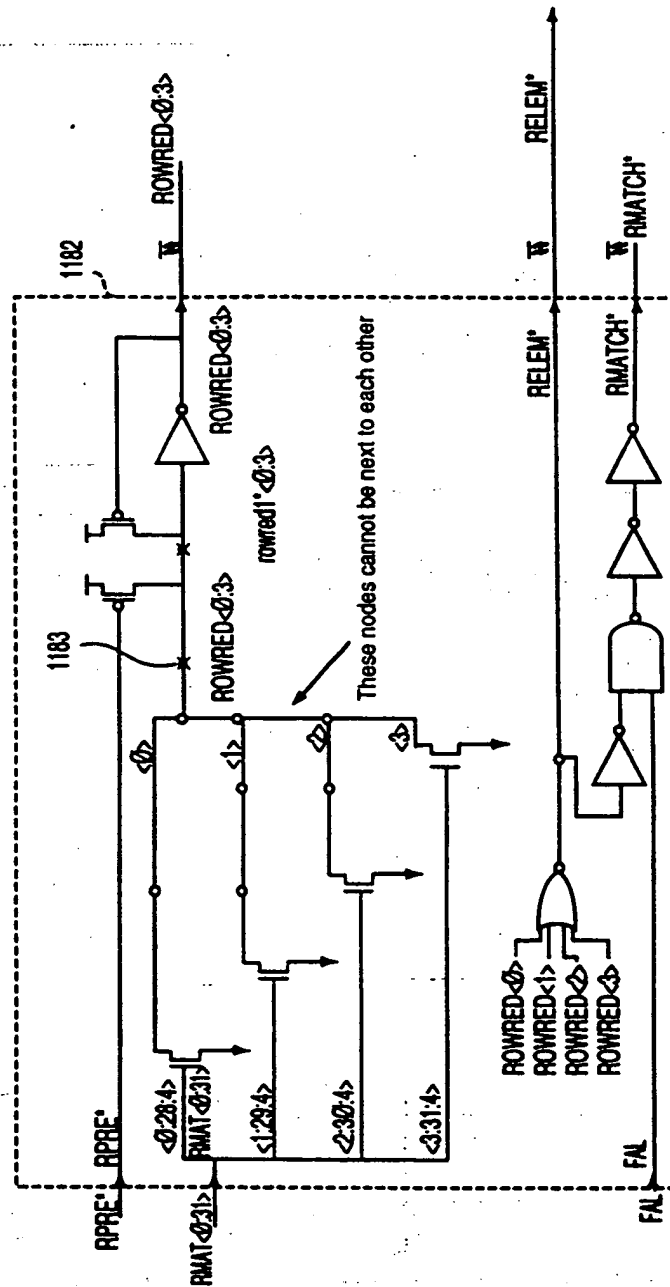


FIG. 85

098551-062011



**FIG. 86**

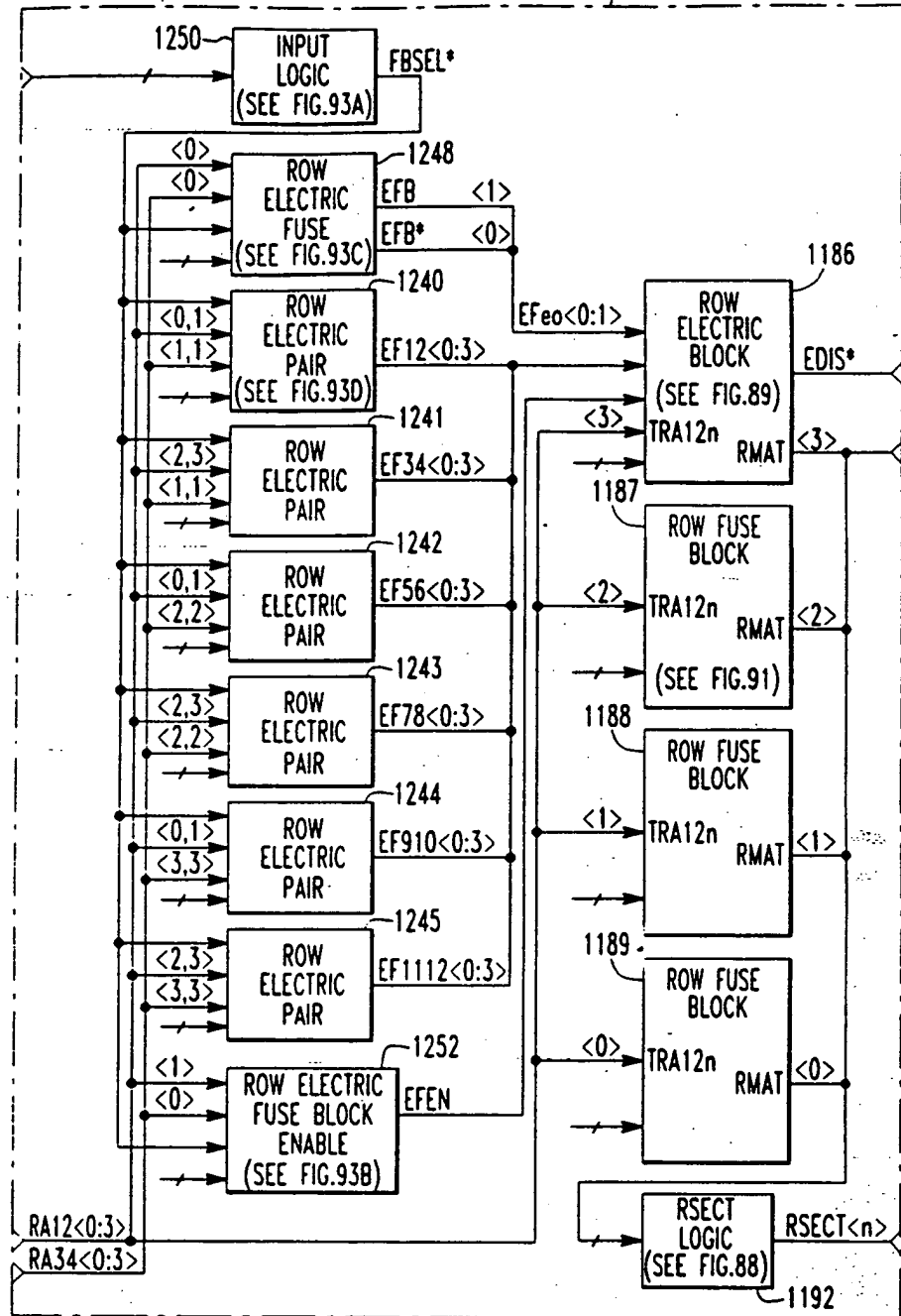


FIG. 87

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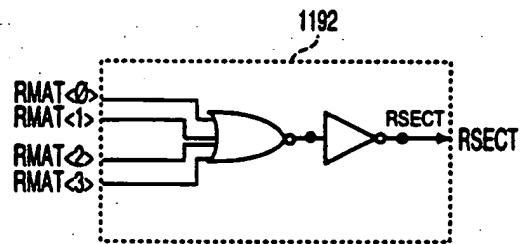


FIG. 88



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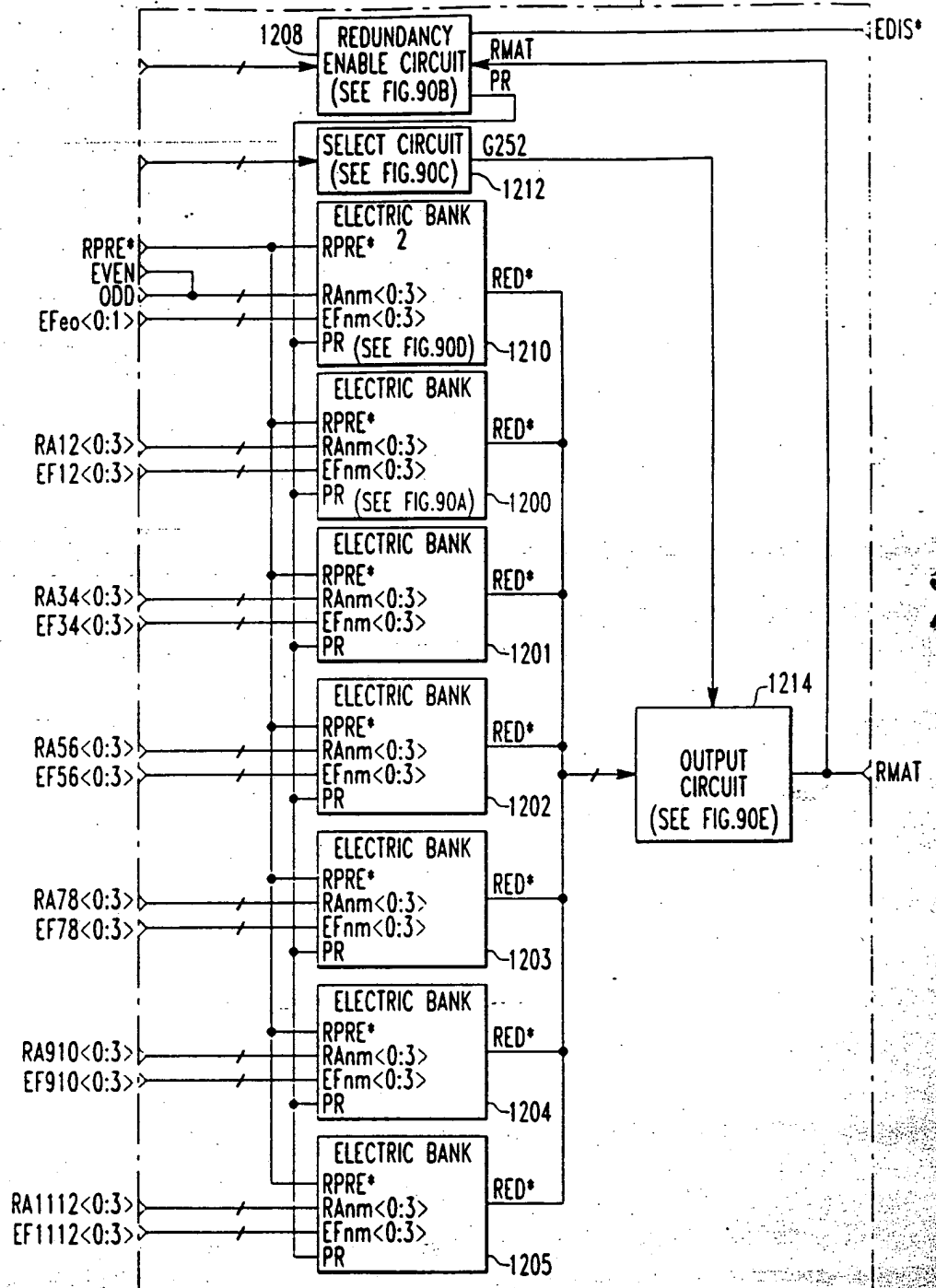


FIG. 89

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100290-11258860

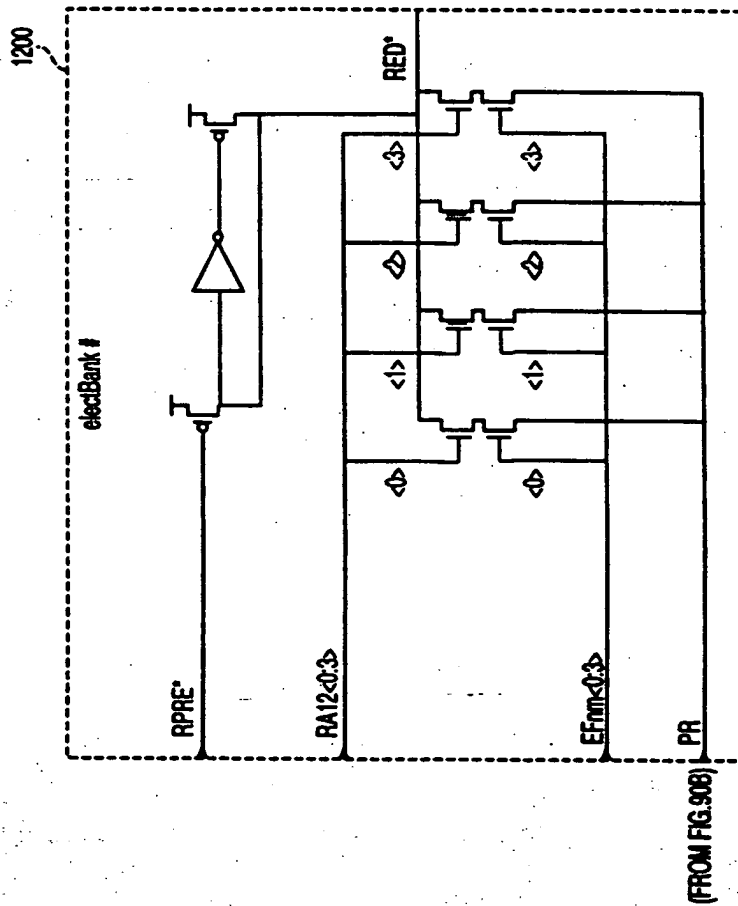


FIG. 90A

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11  
F00290/21258860

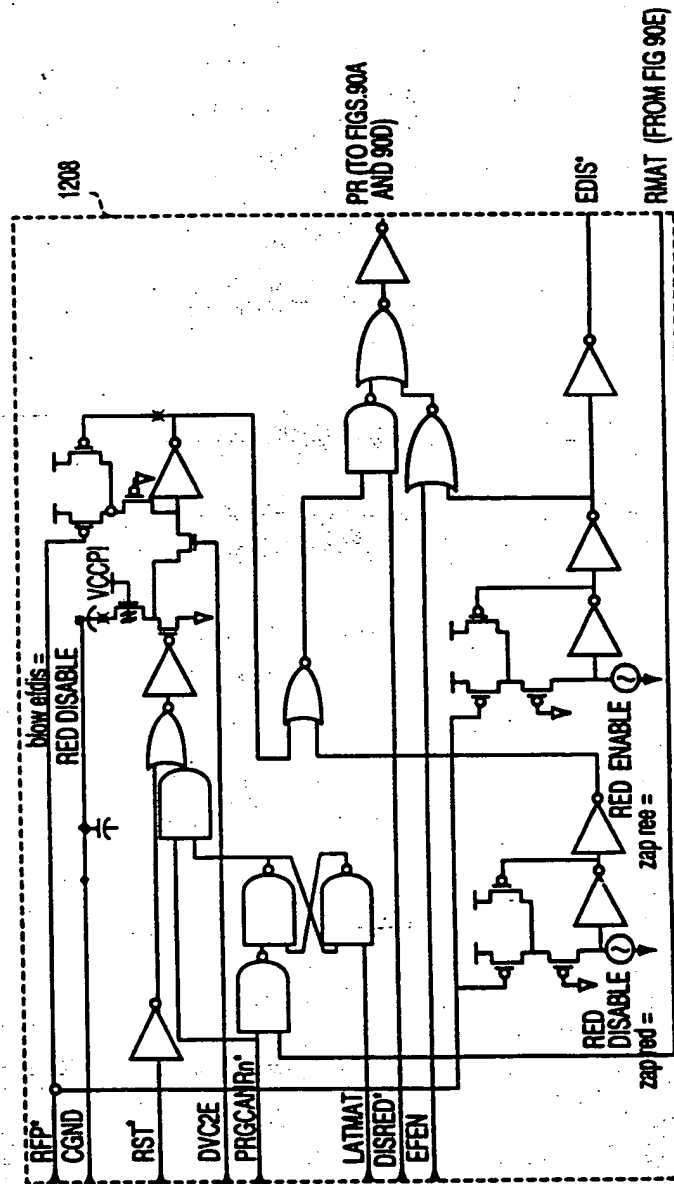


FIG. 90B

11  
T00290, ZT258860

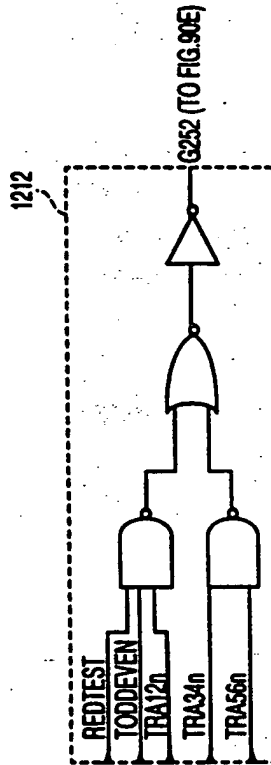


FIG. 90C



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100290 71258860

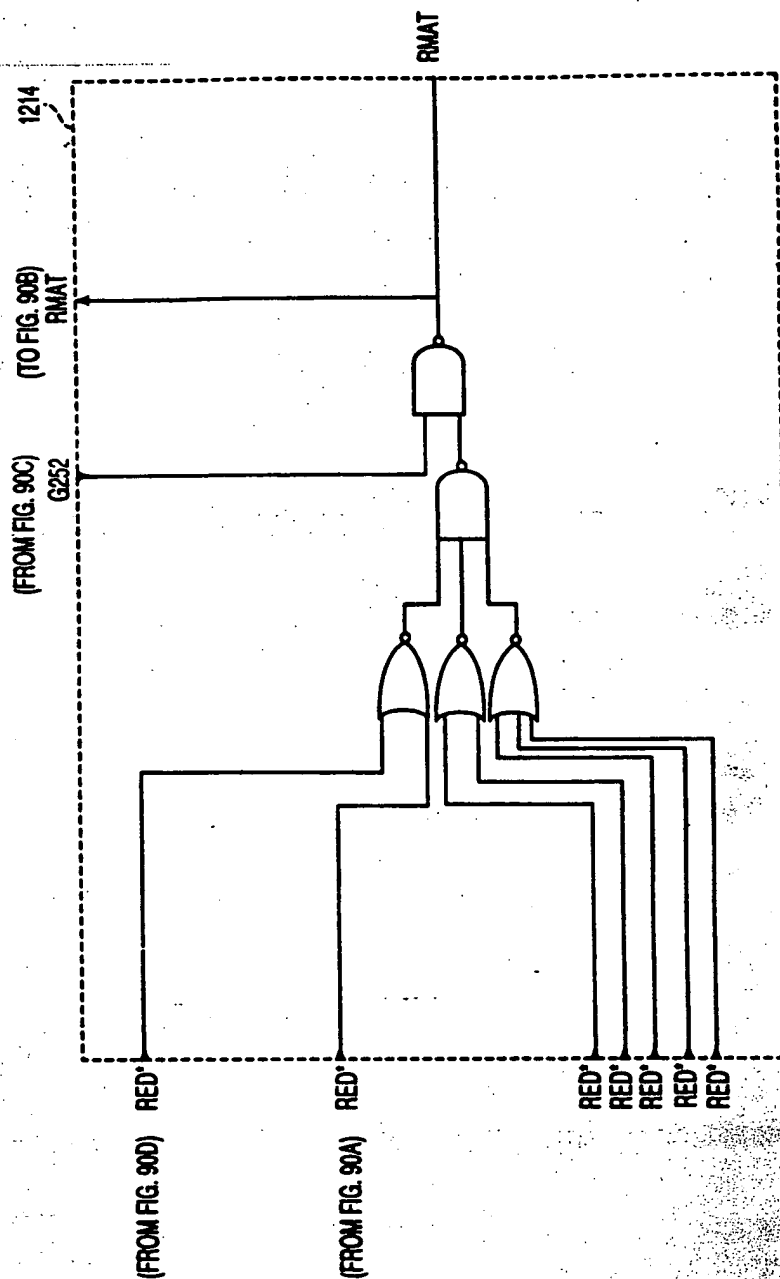


FIG. 90E

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-1187

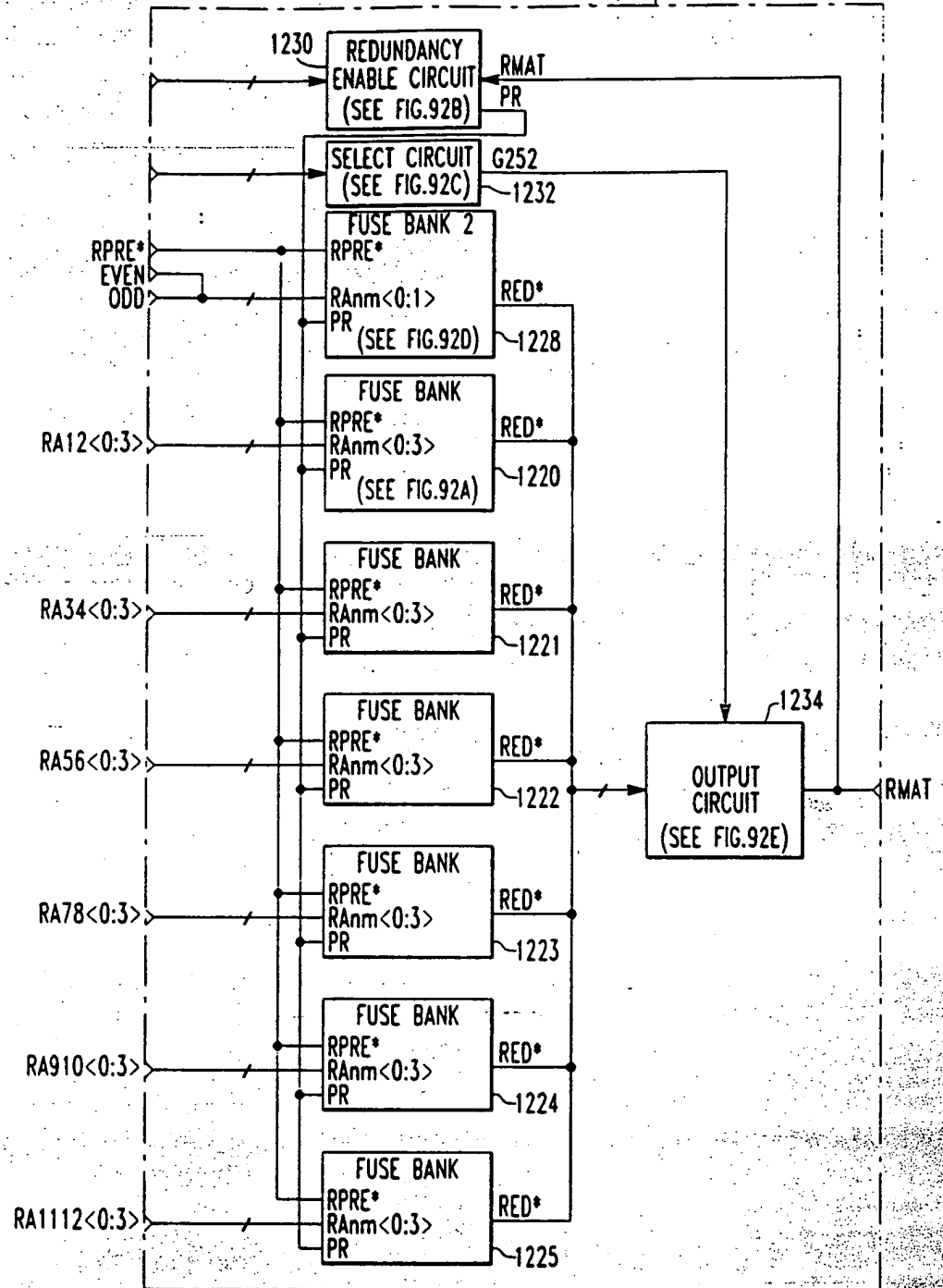


FIG. 91

100290-1258860

1002901/1258860

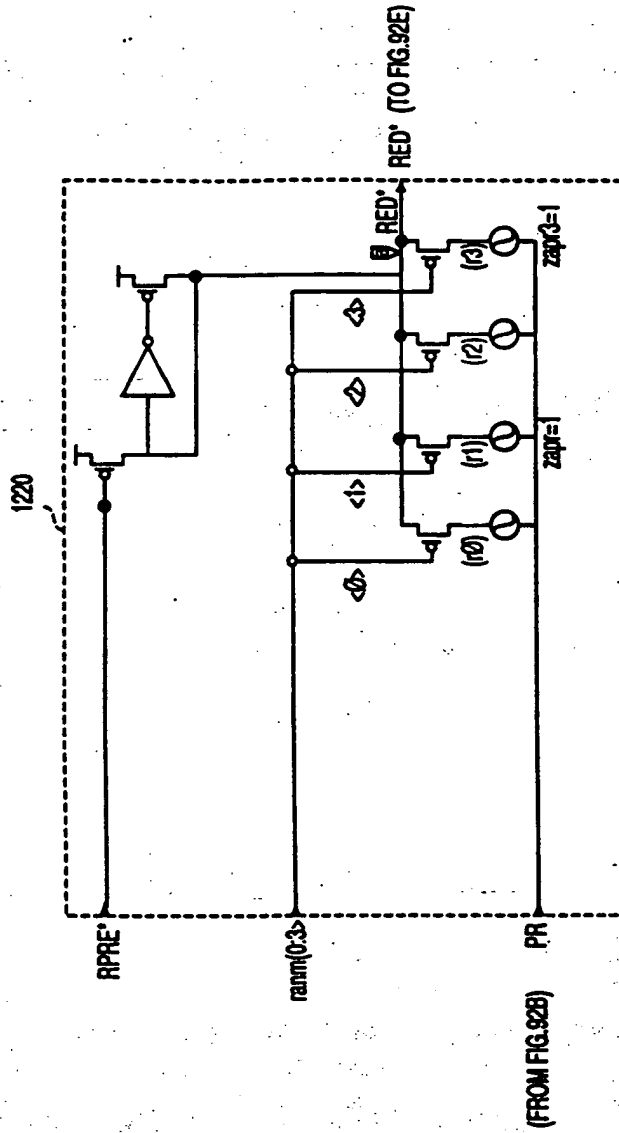


FIG. 92A



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100290-71258860

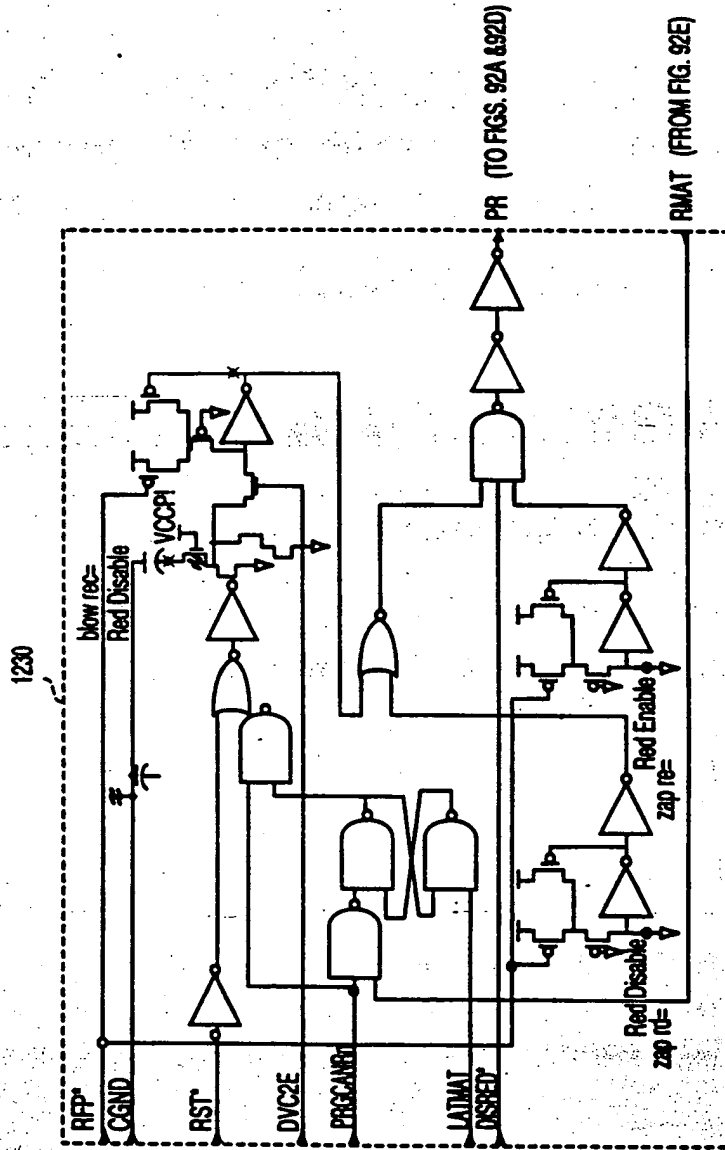


FIG. 92B

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11  
1002901/1258860

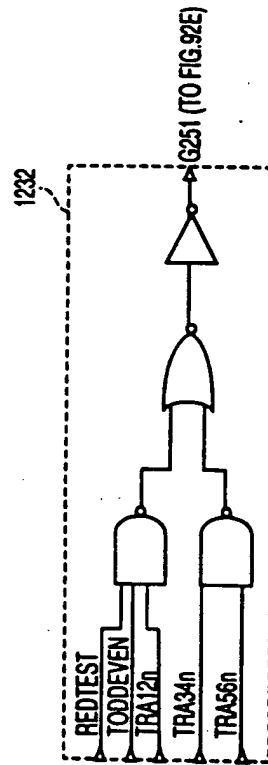


FIG. 92C

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100290-1258860

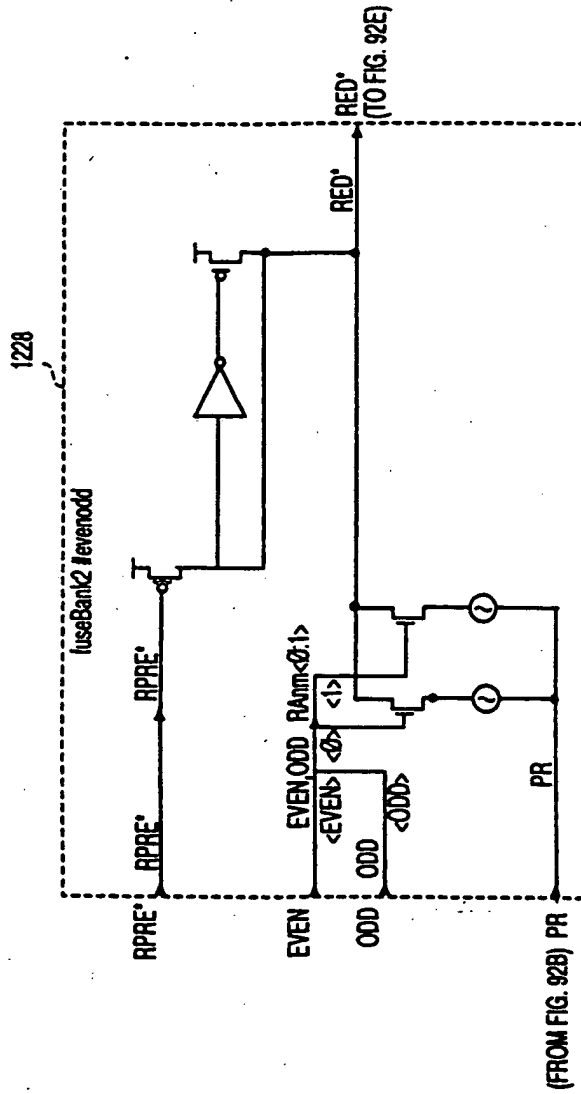
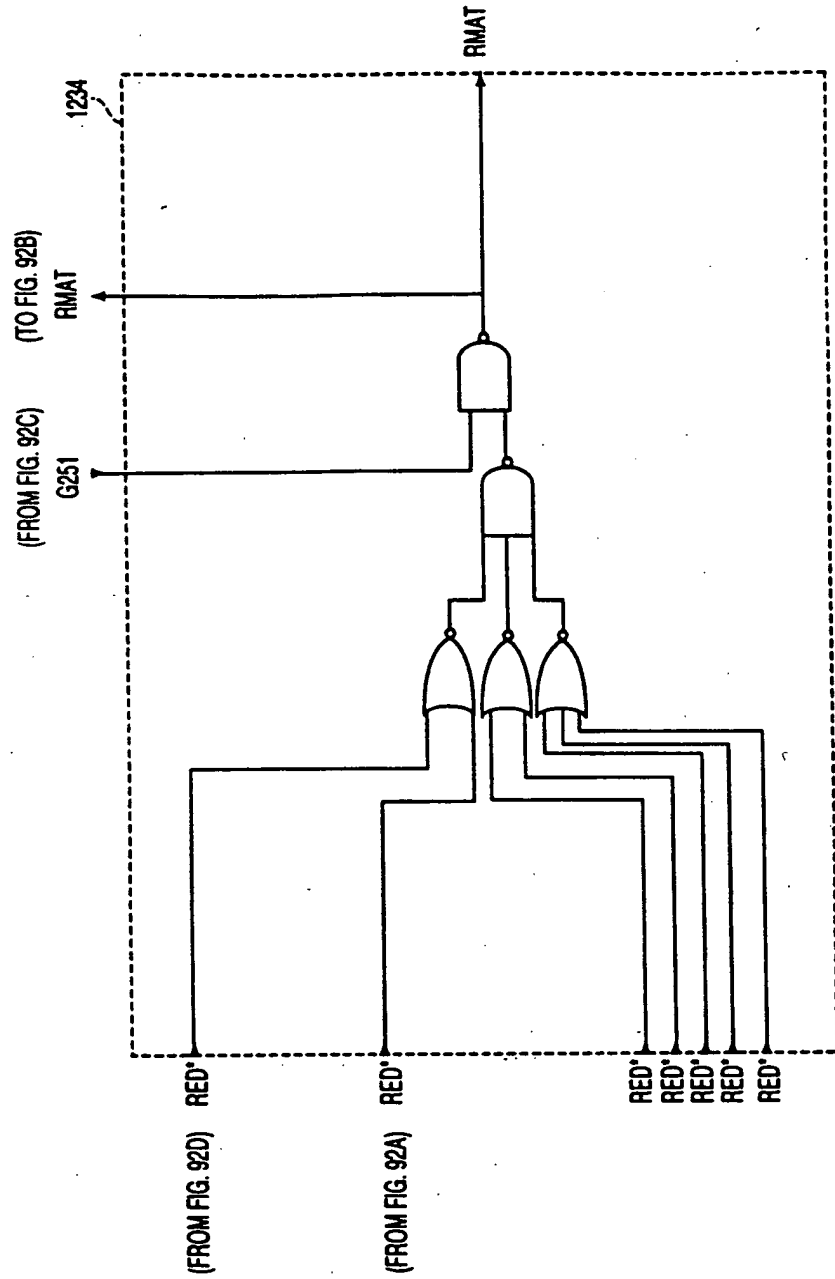


FIG. 92D



**FIG. 92E**

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00290-7125860

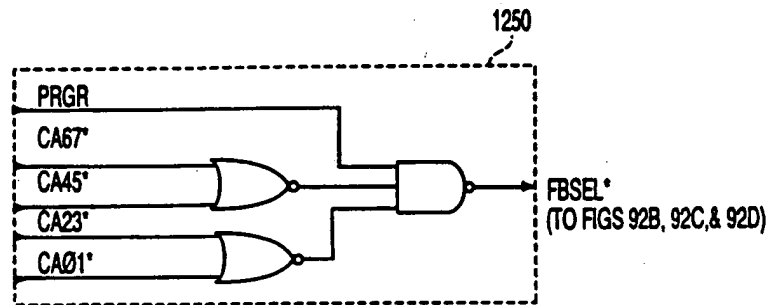


FIG. 93A

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11  
100290-71258860

1252

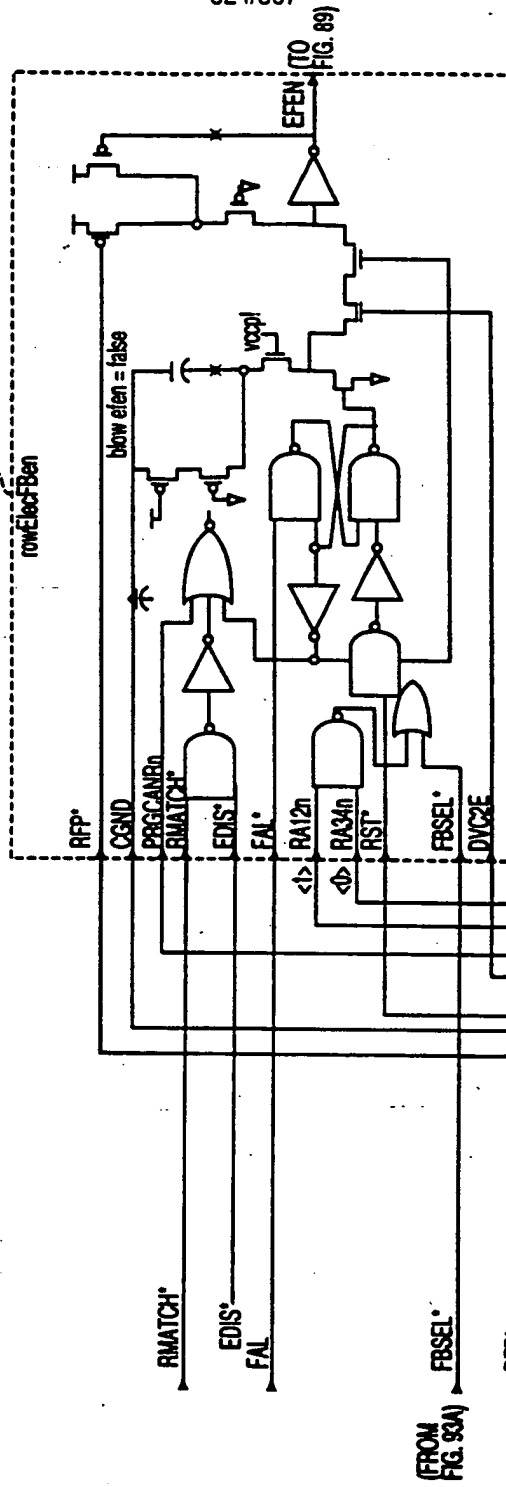


FIG. 93B

100290-1258860

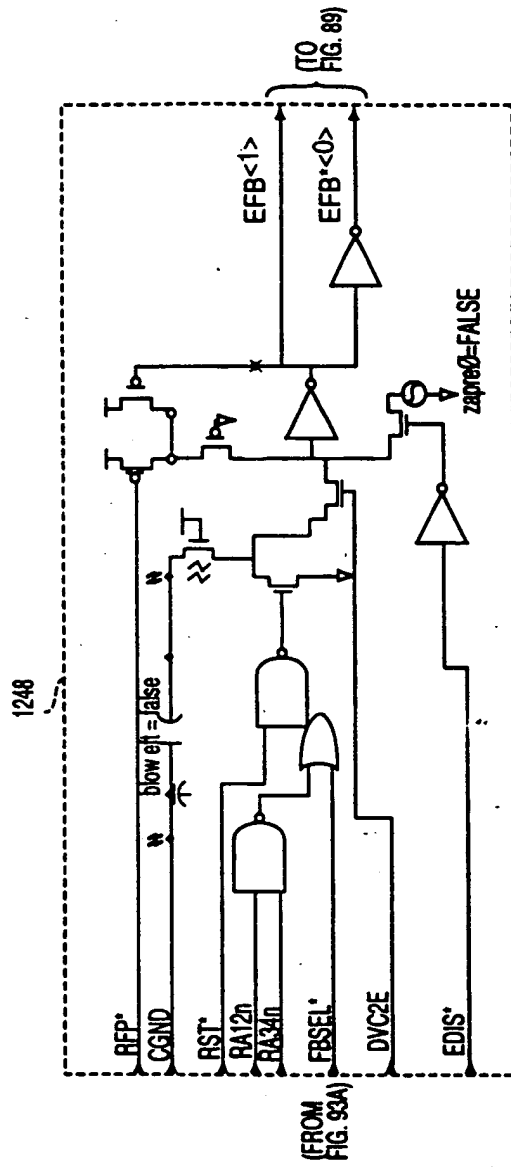


FIG. 93C

100290-71258860

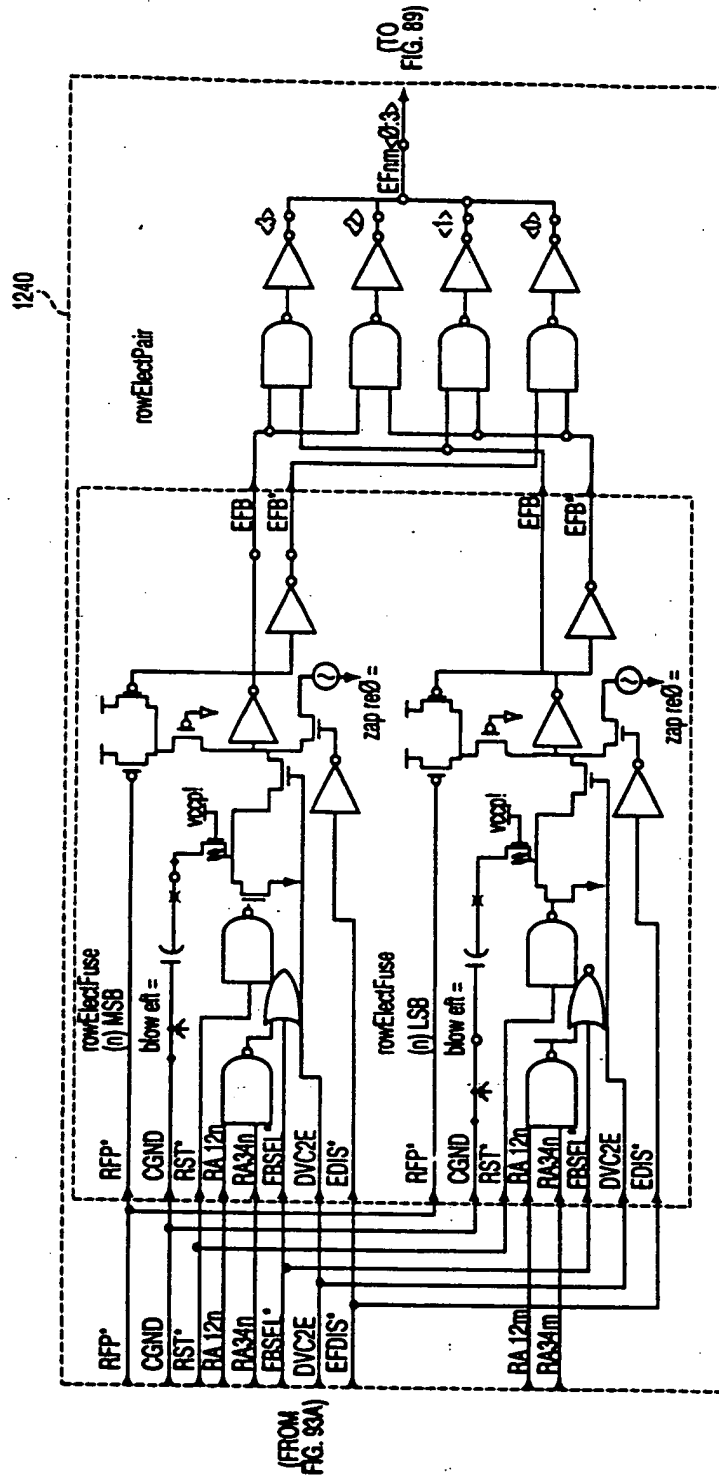


FIG. 93D



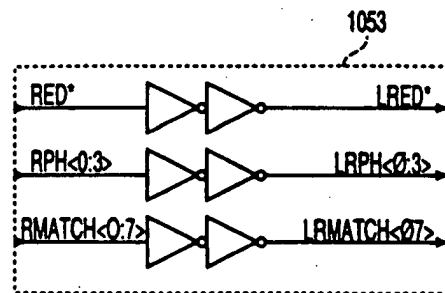


FIG. 94

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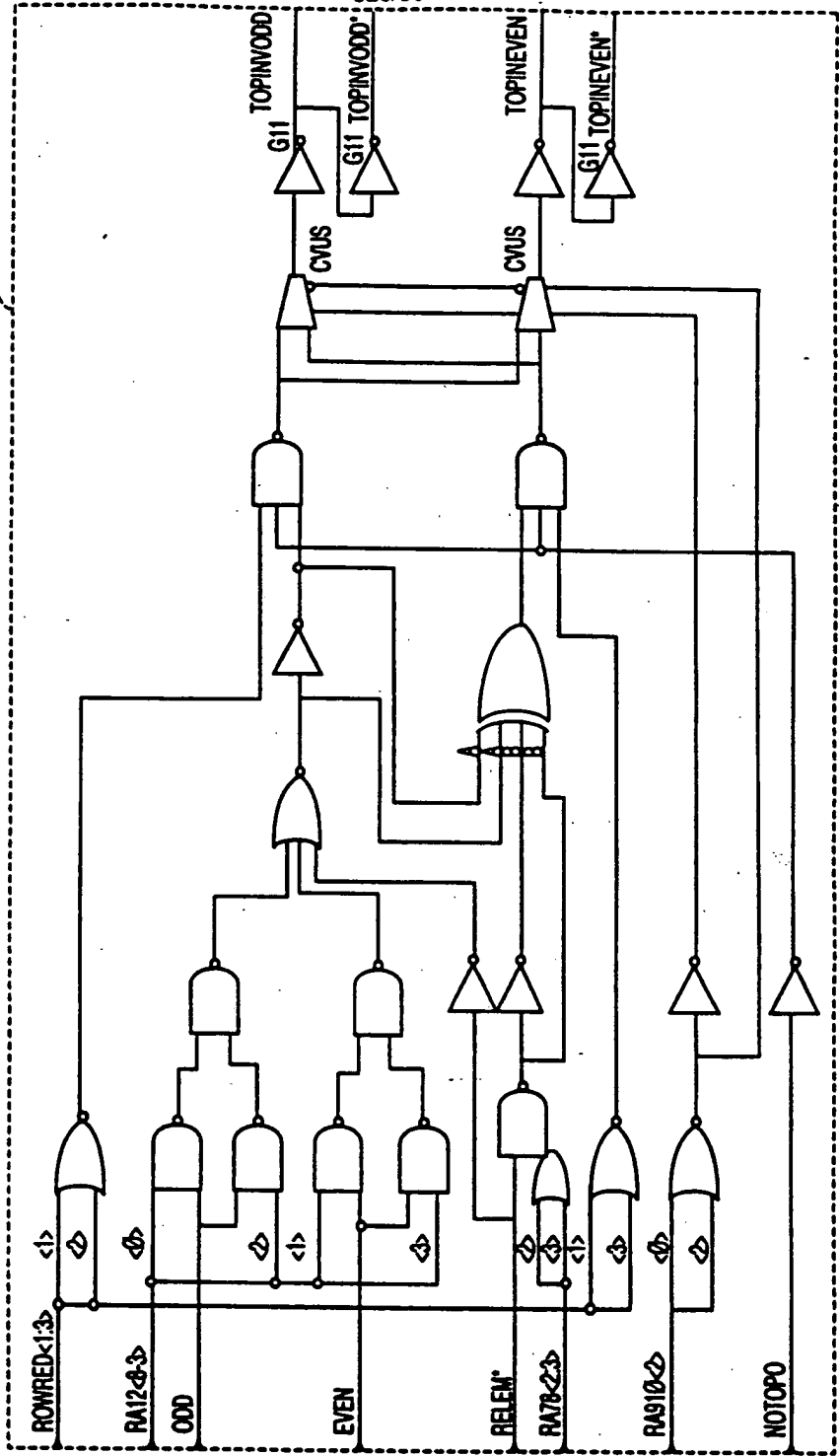


FIG. 95

1002901/1258860

of 2.10m

0985217-062001  
100290-2258860

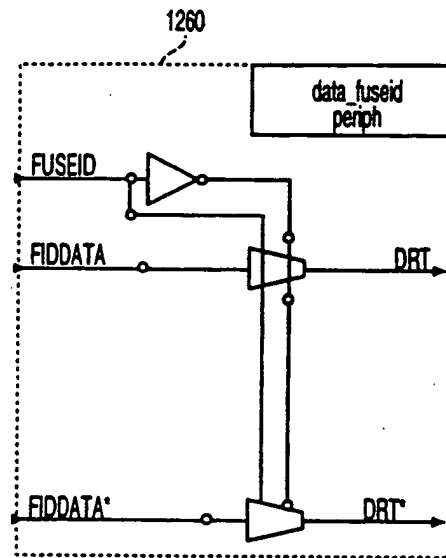
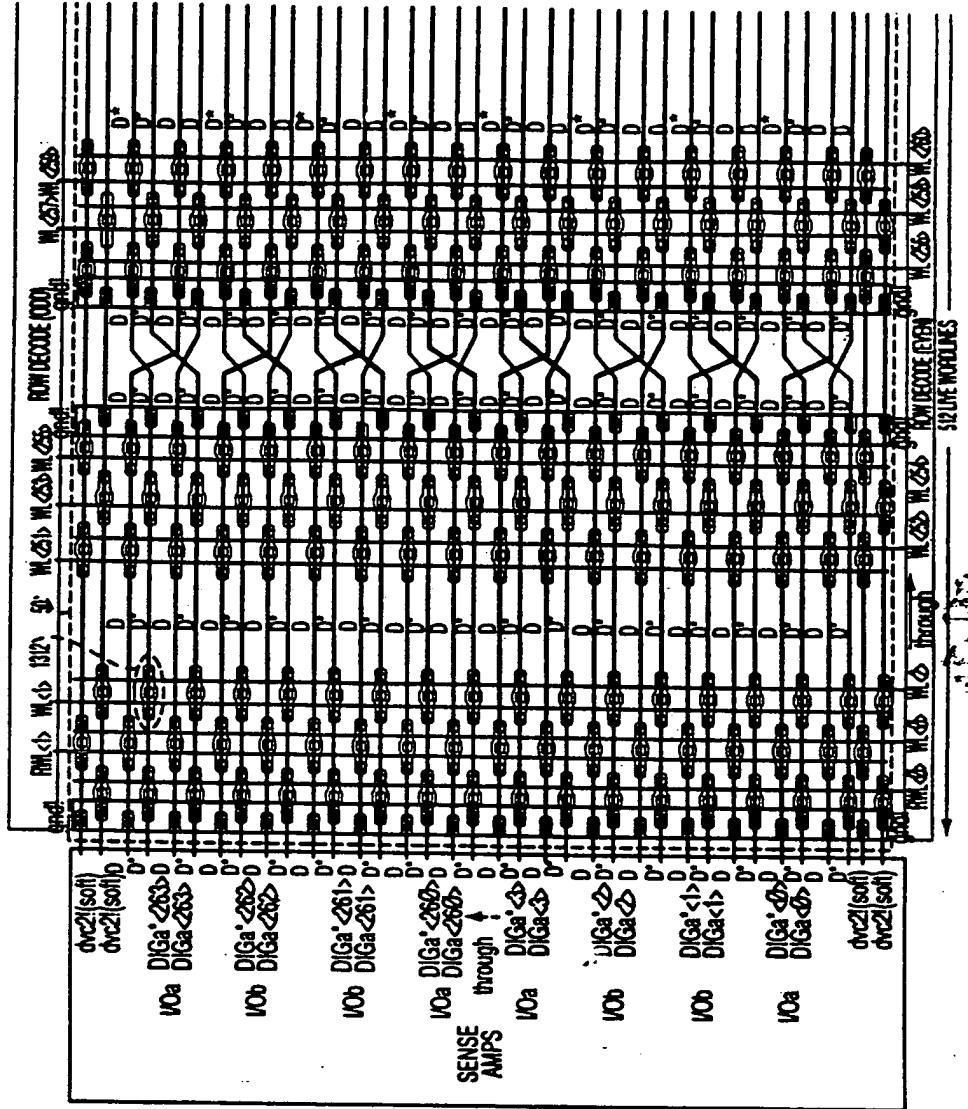


FIG. 96

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100290-1258860



512 NORMAL DIGIT PAIRS  
32 REDUNDANT DIGIT PAIRS

FIG. 97-1 FIG. 97-2

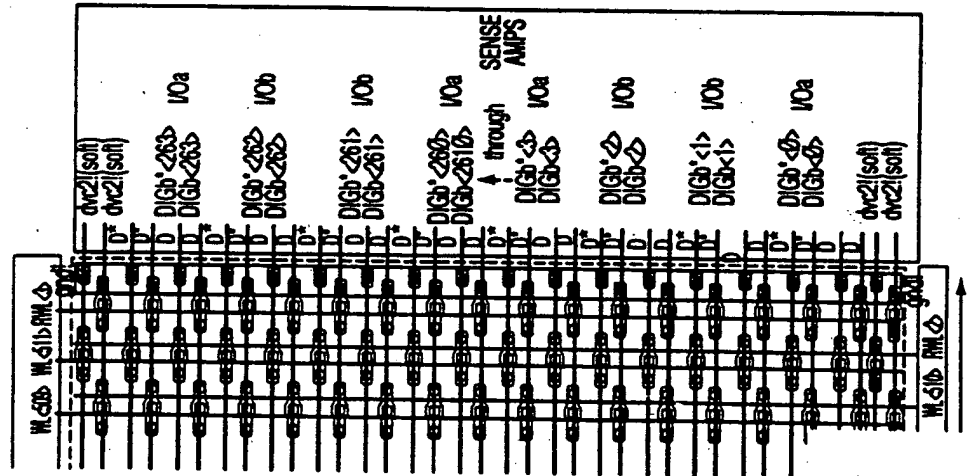
FIG. 97-1

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FIG. 97-1 FIG. 97-2

FIG. 97-2



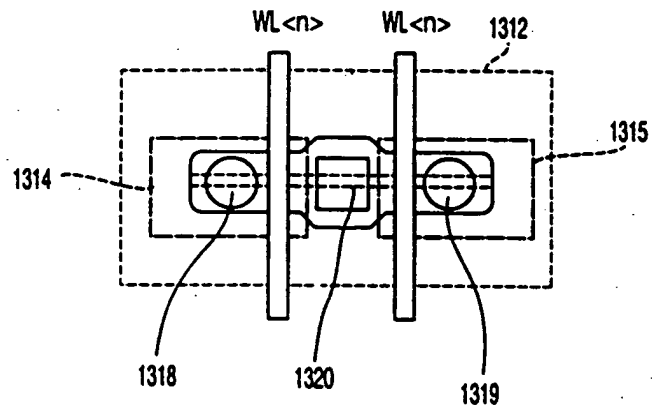


FIG. 98

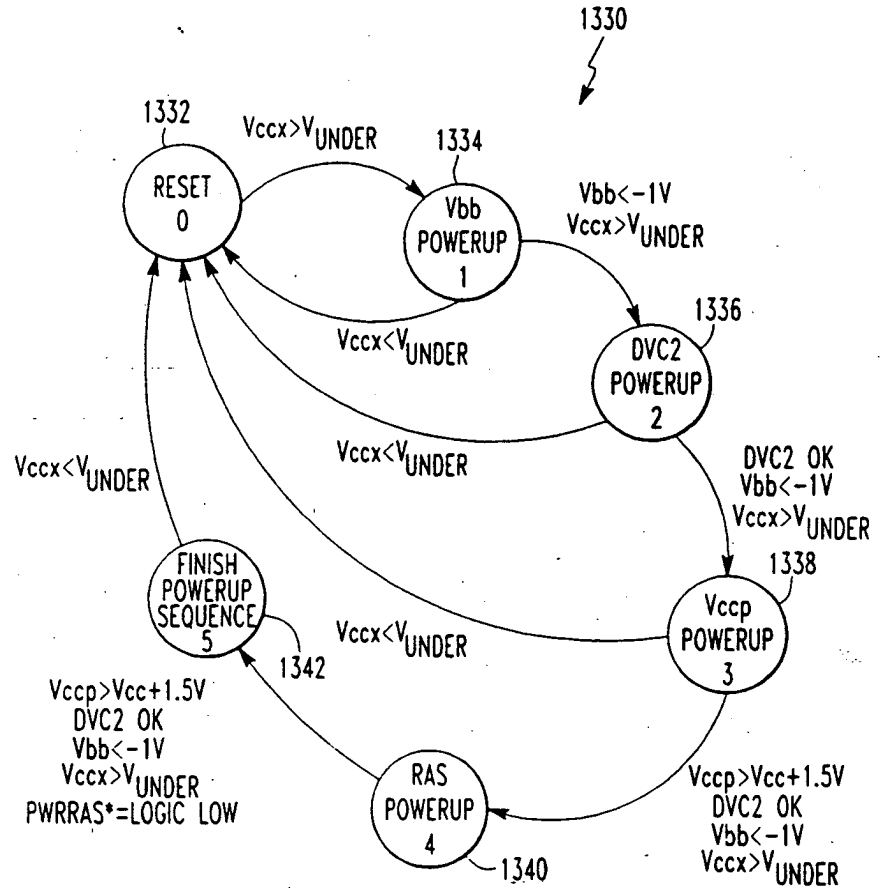


FIG. 99

1002901/258860

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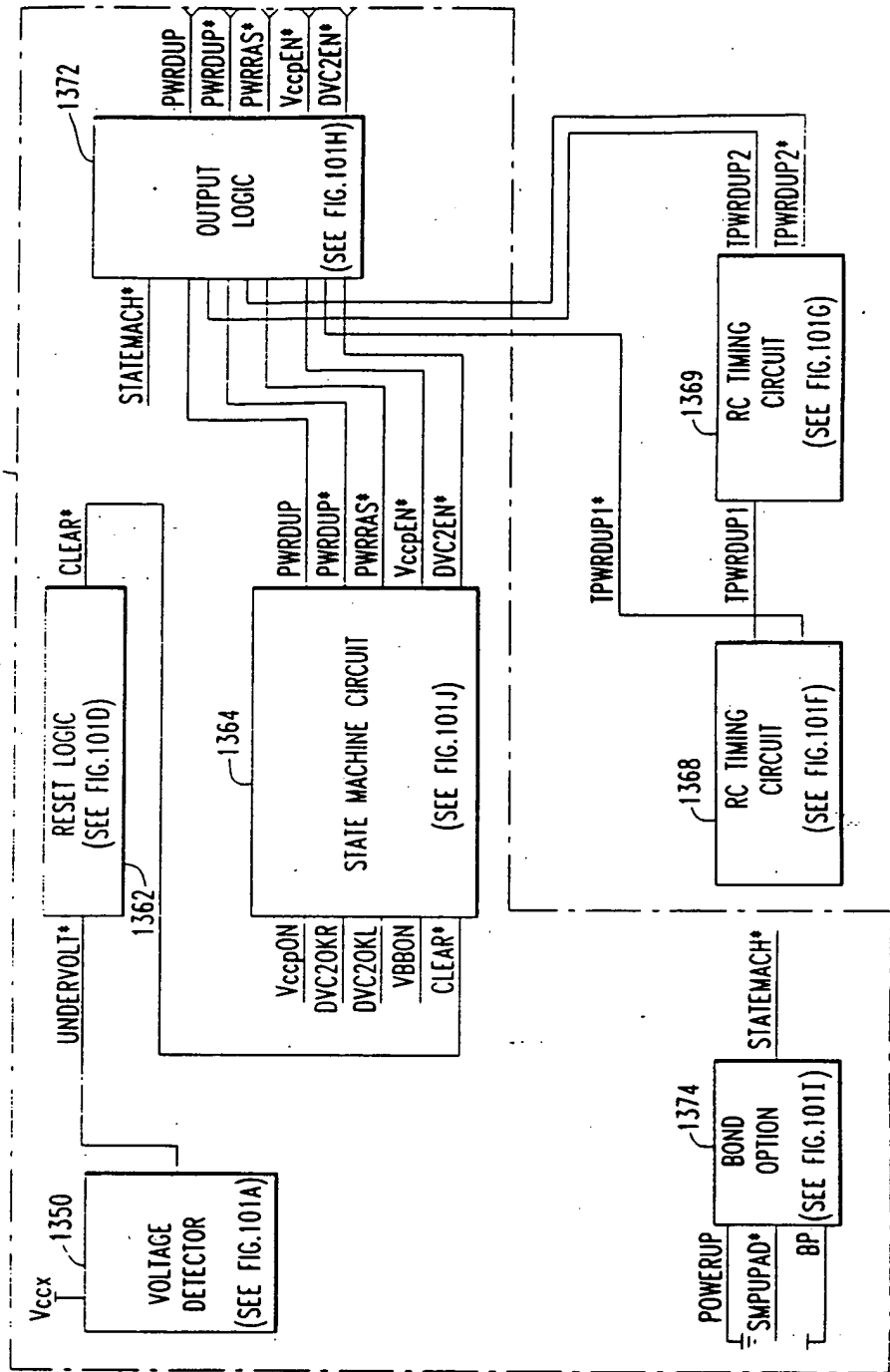


FIG. 100



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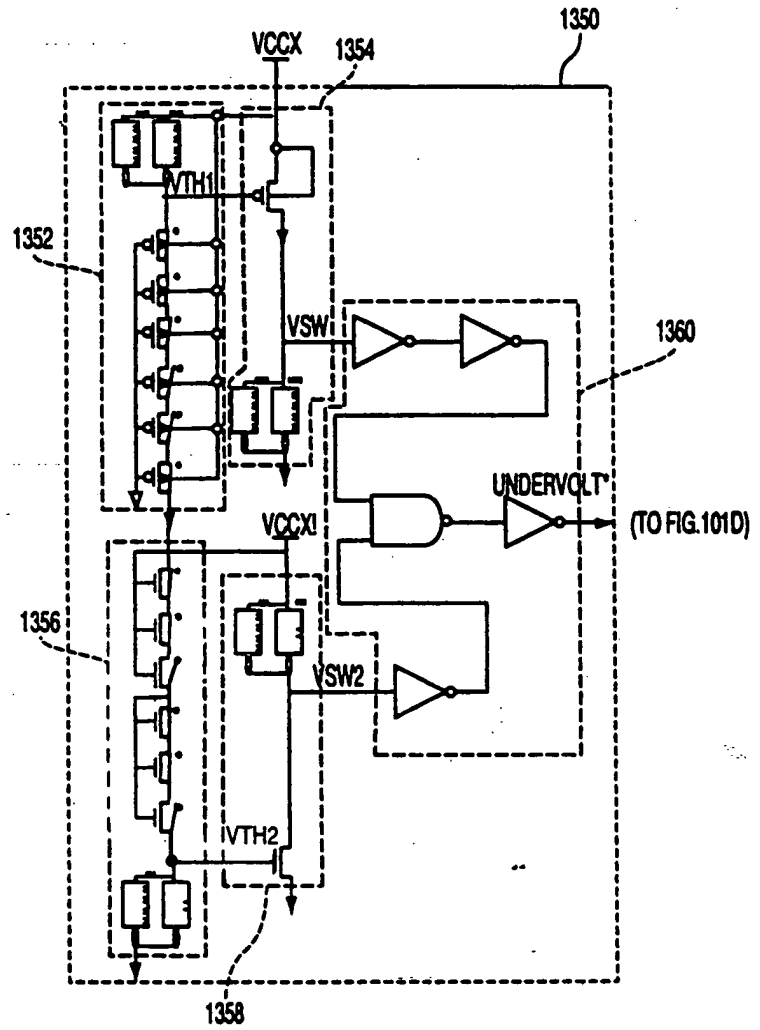
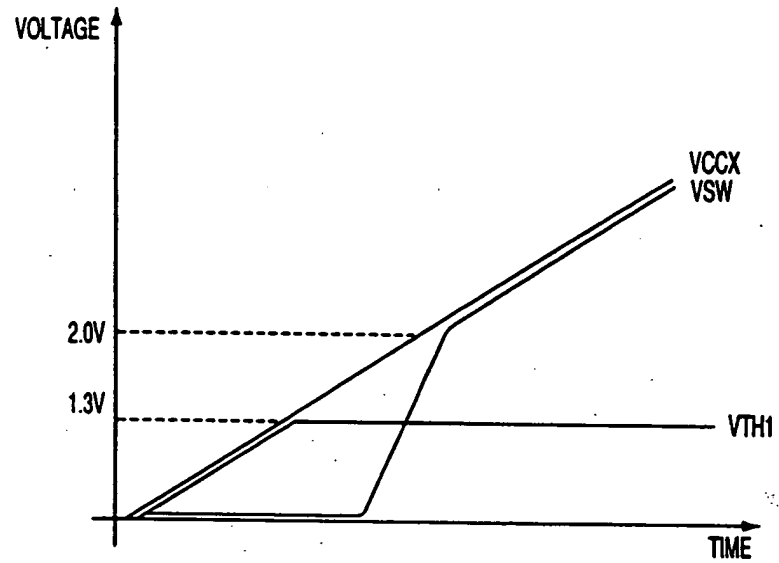


FIG. 101A

0985517-062001

09852171062001  
11  
10029071258860



**FIG. 101B**

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09885217-062001  
100290-71258860

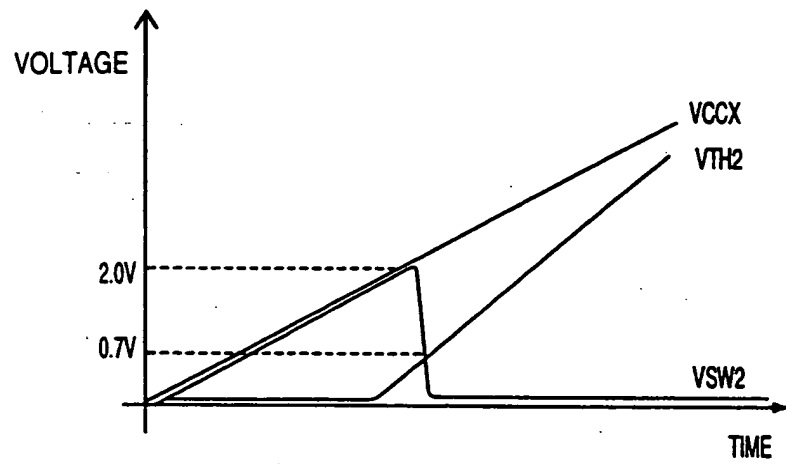


FIG. 101C

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1002901/1258860

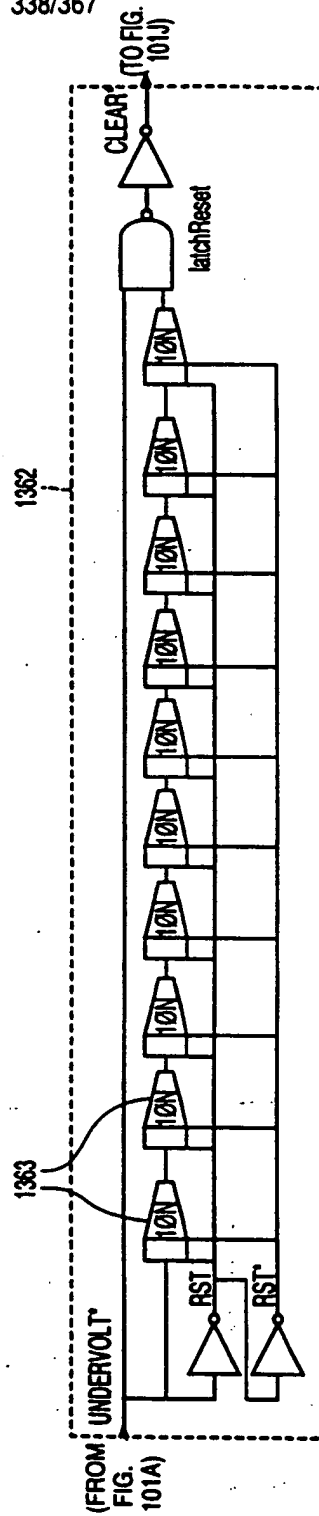


FIG. 101D

100290/1258860

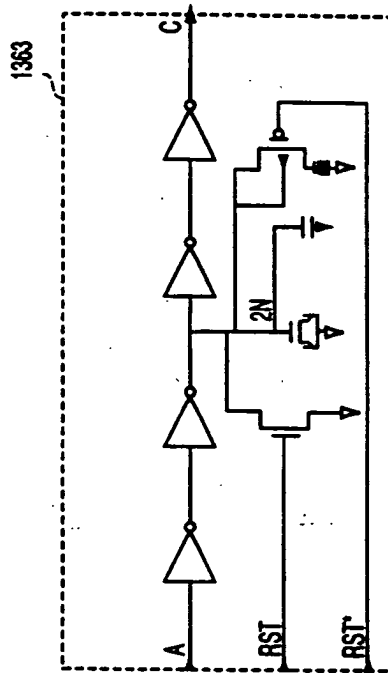


FIG. 101E

11  
T002901/125860

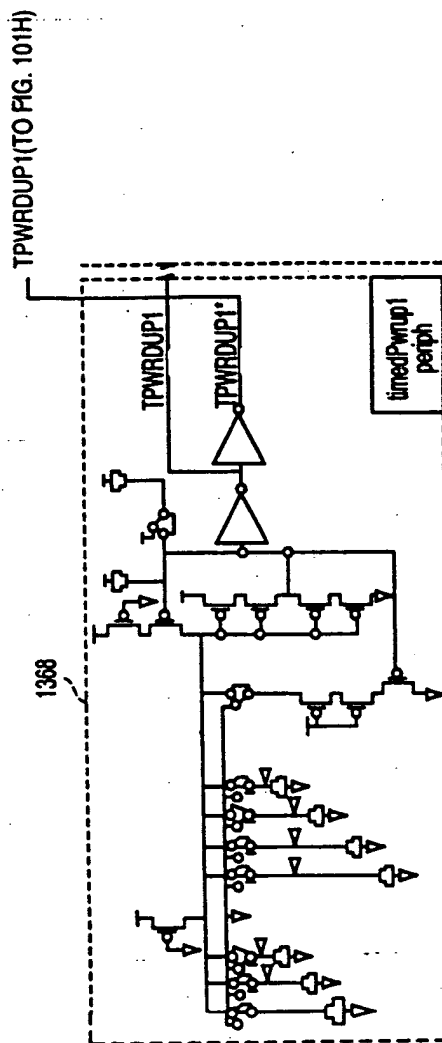


FIG. 101F

100290: 1258860

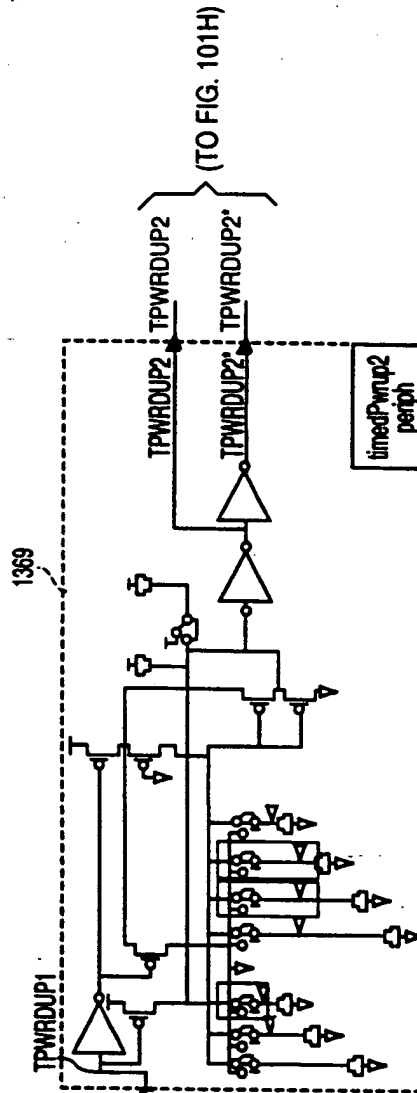


FIG. 101G

100290 1258860

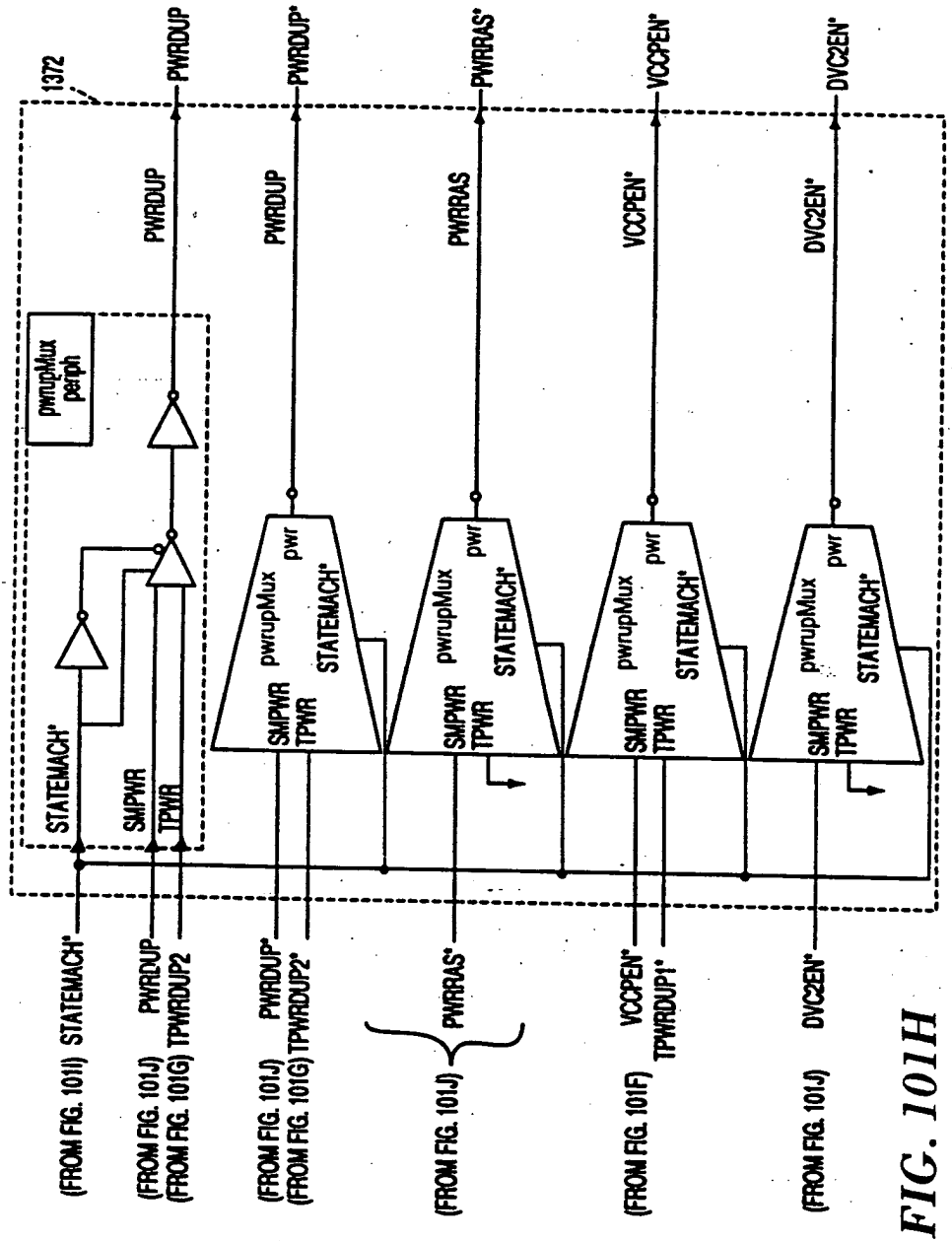


FIG. 101H



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11  
T00290: 1258860

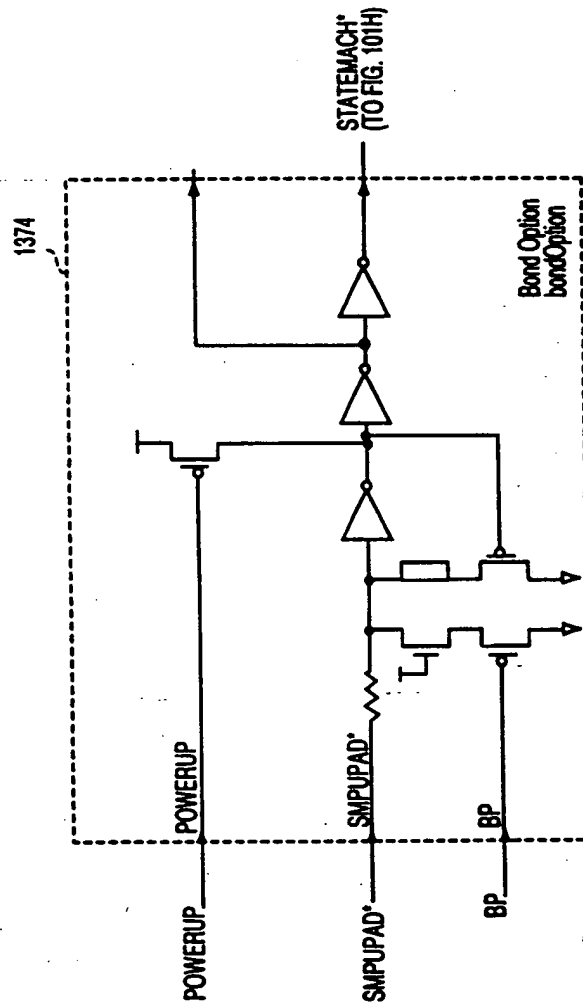


FIG. 101I

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(TO FIG. 101H)

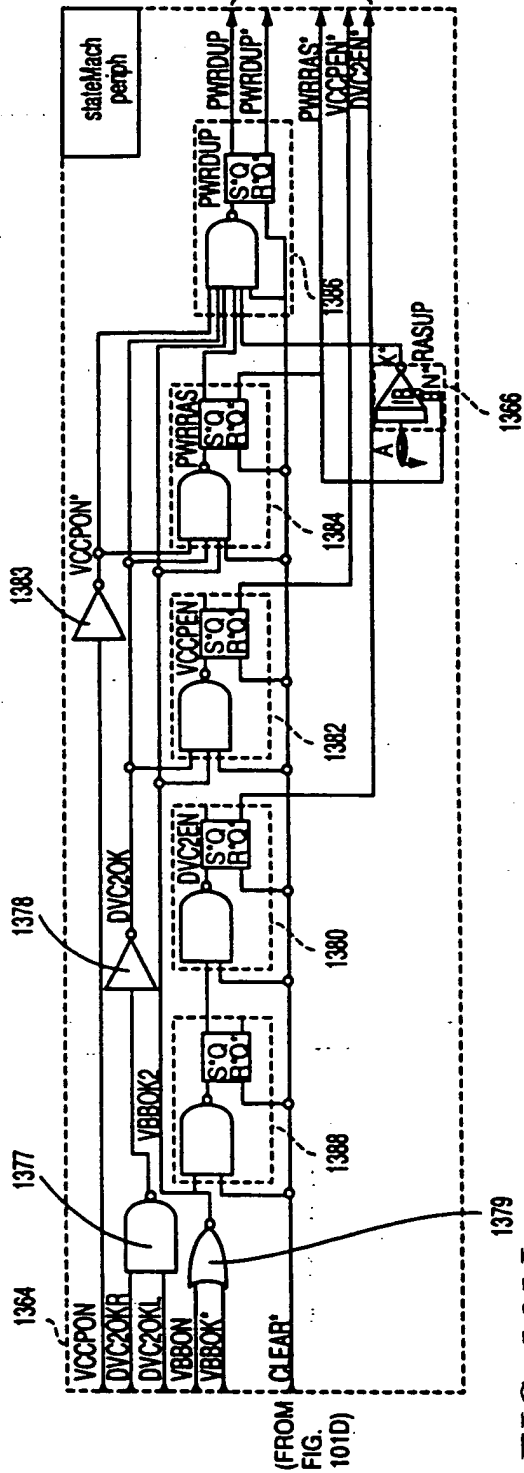
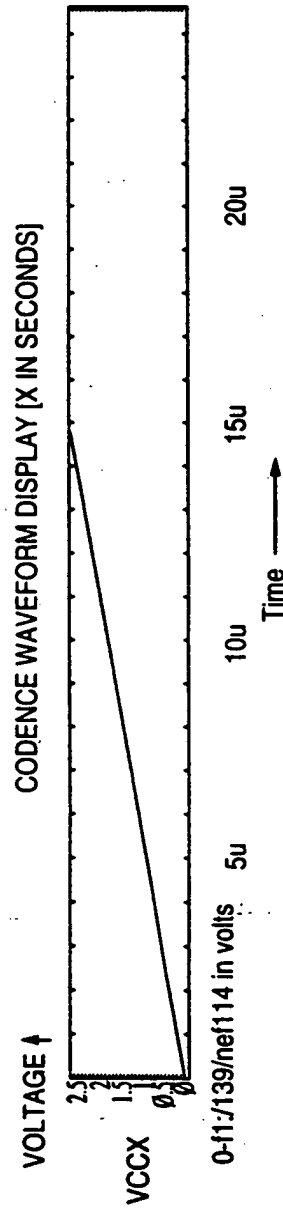


FIG. 101J

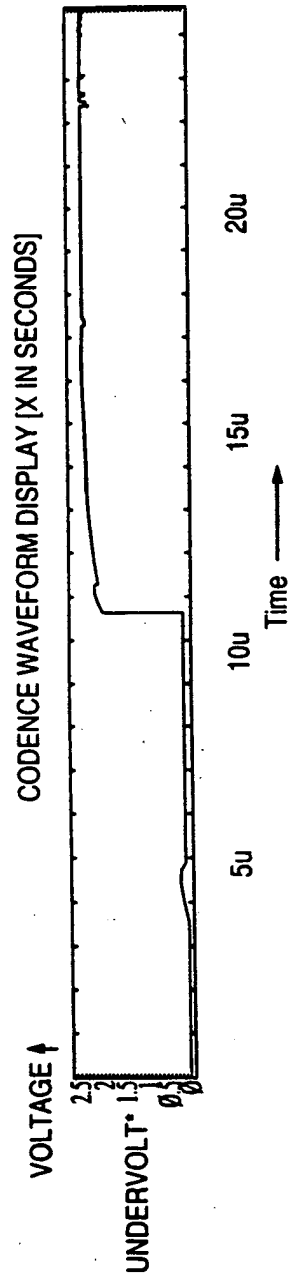
100290 71258860



NOTE THAT PWRRAS\* WAITED FOR DVC20KR

FIG. 102A

11  
100290-1258860

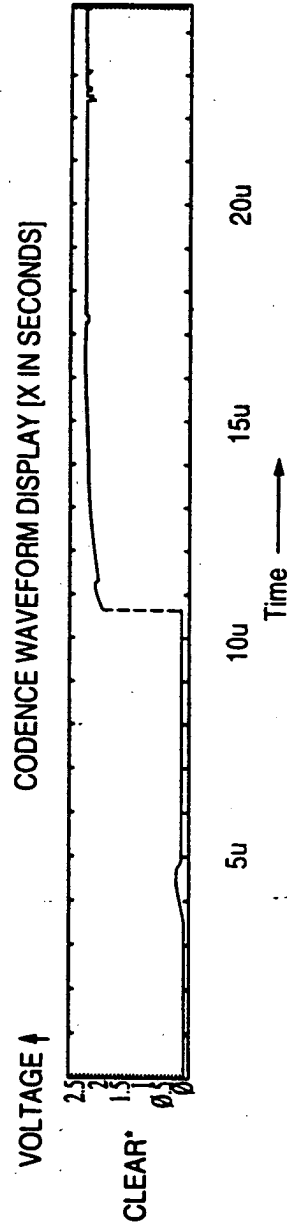


NOTE THAT PWRRAS' WAITED FOR DVC20KR

FIG. 102B

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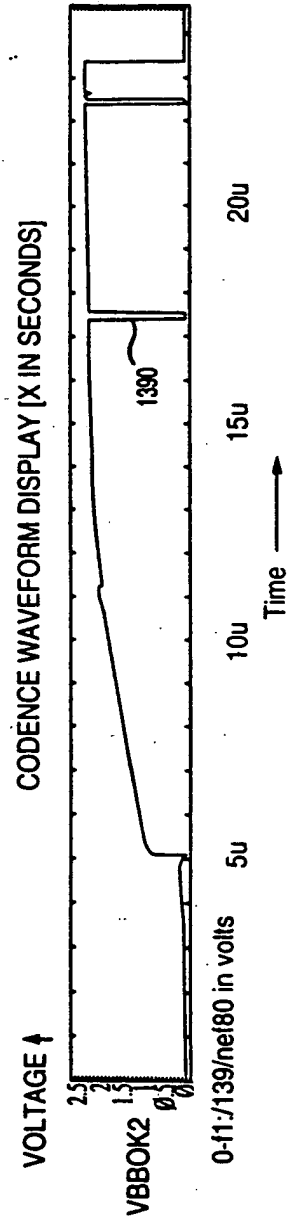
100290-1258860



NOTE THAT PWRRAS\* WAITED FOR DVC20KR

FIG. 102C

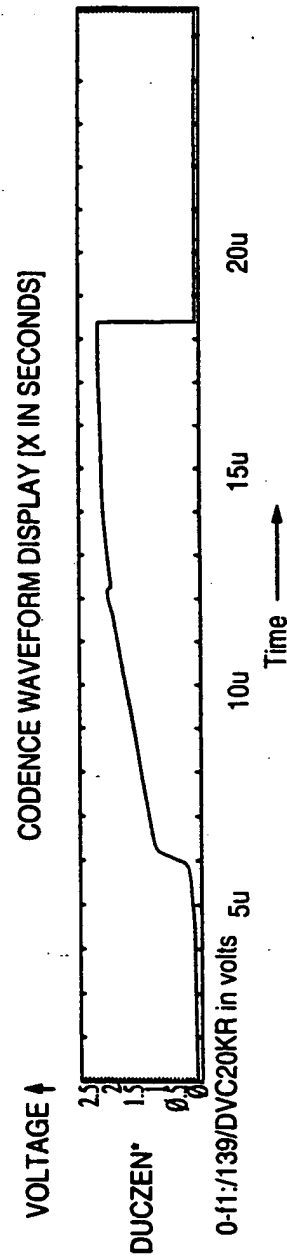
11  
F00290-21258860



NOTE THAT PWRRAS\* WAITED FOR DVC20KR

FIG. 102D

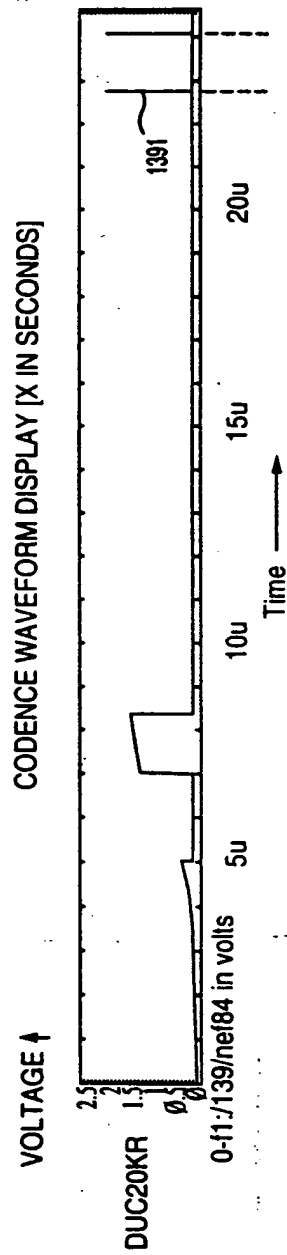
100290-21258860



NOTE THAT PWRRAS\* WAITED FOR DVC20KR

FIG. 102E

100290-1258860

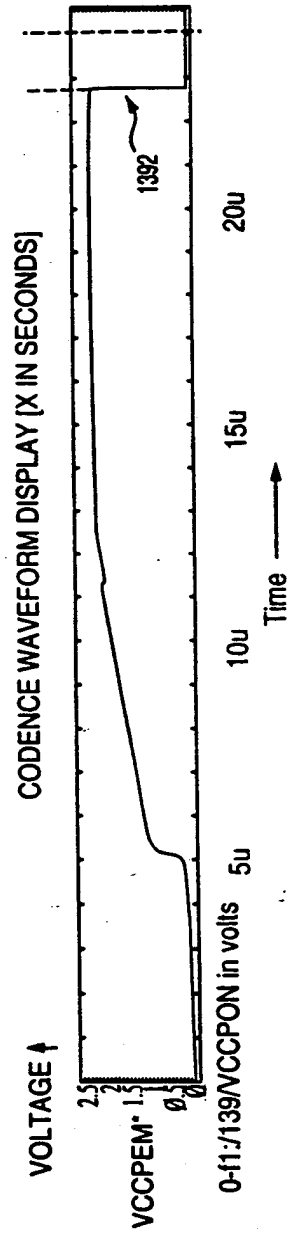


NOTE THAT PWRRAS\* WAITED FOR DVC20KR

FIG. 102F



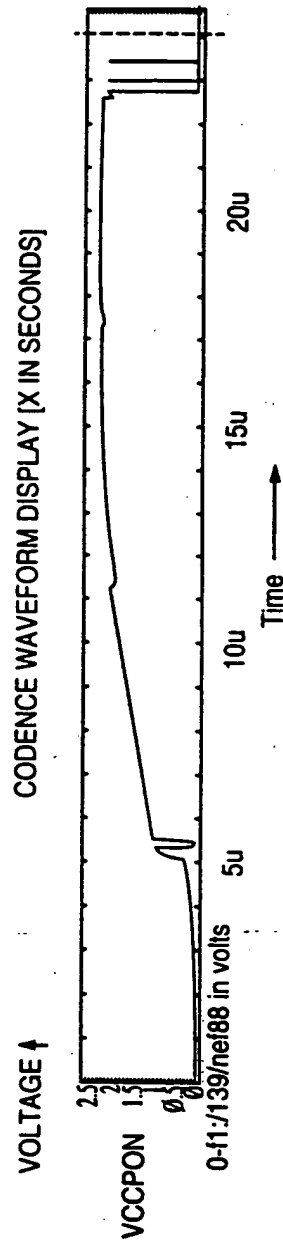
11  
100290-71258360



NOTE THAT PWRRAS\* WAITED FOR DVC20KR

FIG. 102C

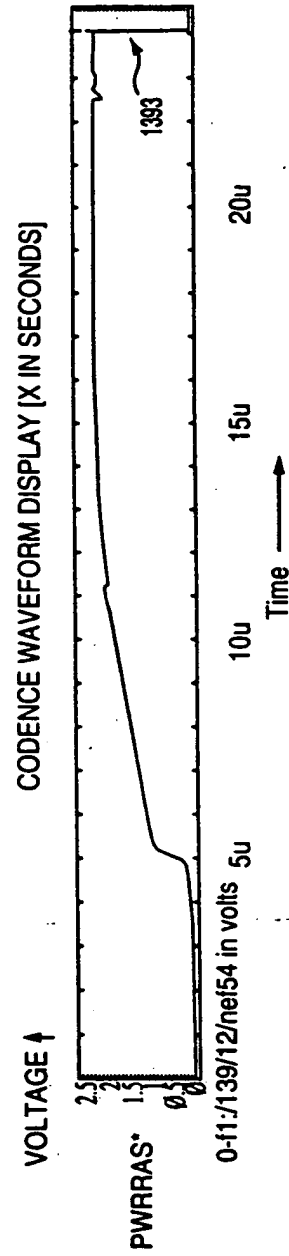
100290 71258860



NOTE THAT PWRRAS\* WAITED FOR DVC20KR

FIG. 102H

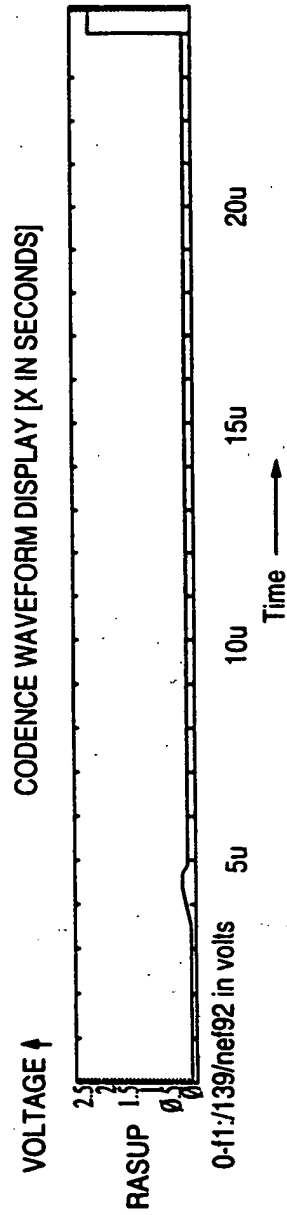
11  
F00290-71258860



NOTE THAT PWRRAS\* WAITED FOR DVC20KR

FIG. 102I

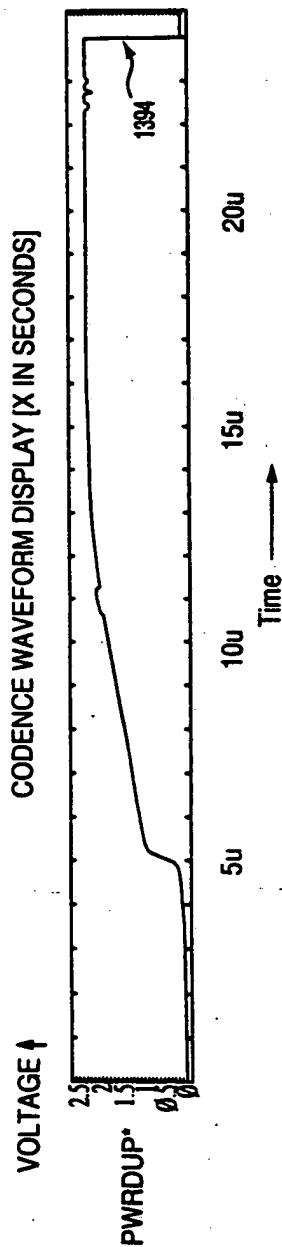
100290-71258860



NOTE THAT PWRRAS\* WAITED FOR DVC20KR

FIG. 102J

100290/1258860



NOTE THAT PWRRAS\* WAITED FOR DVC20KR

**FIG. 102K**

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11  
100290-7125860

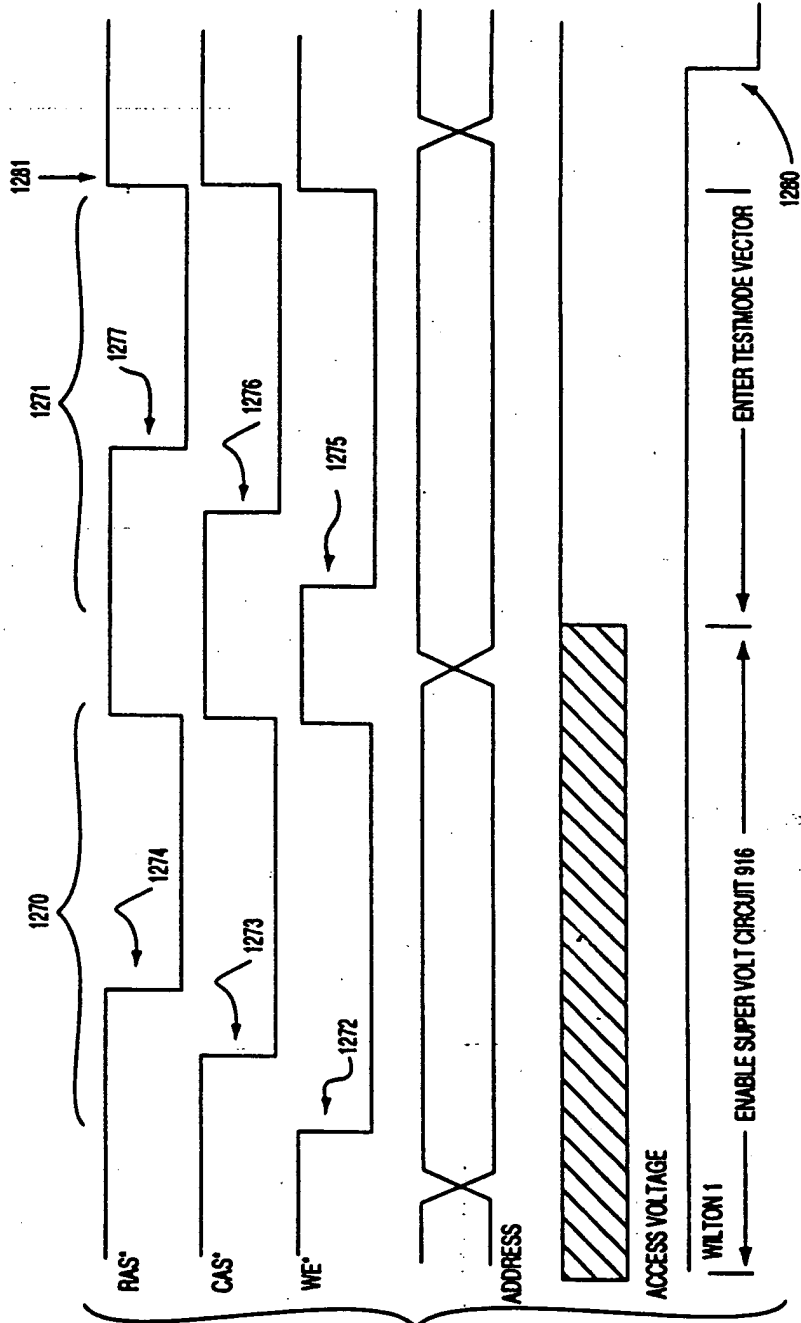
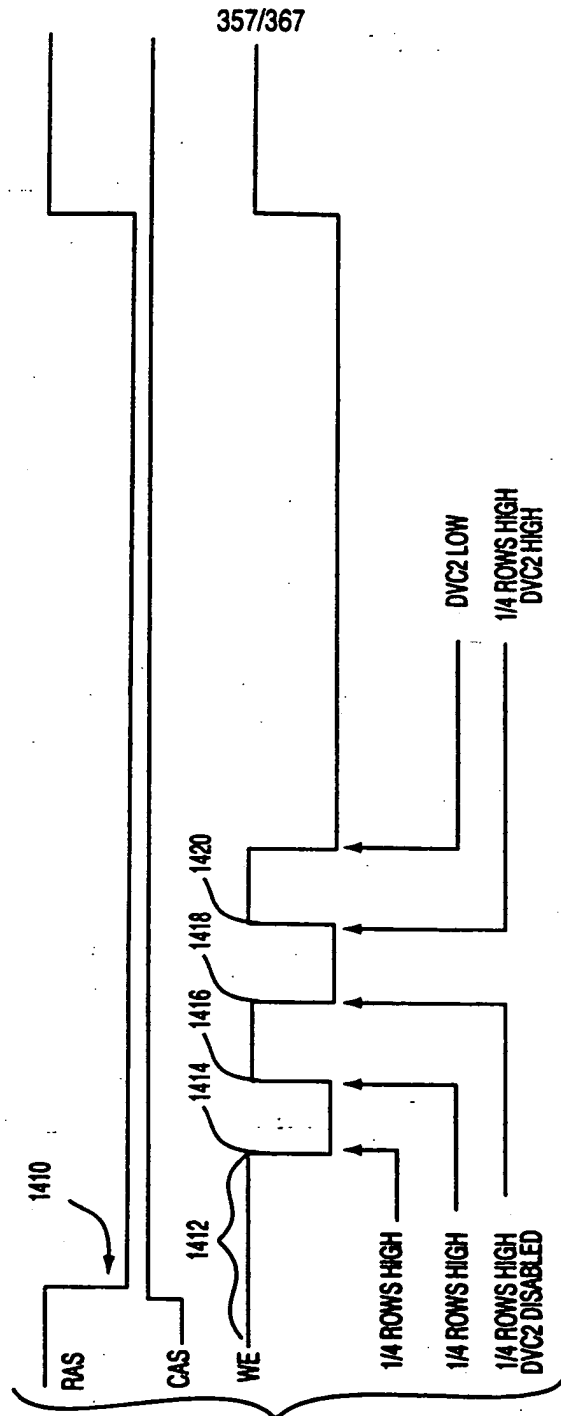


FIG.  
103

11  
T00290-71258860

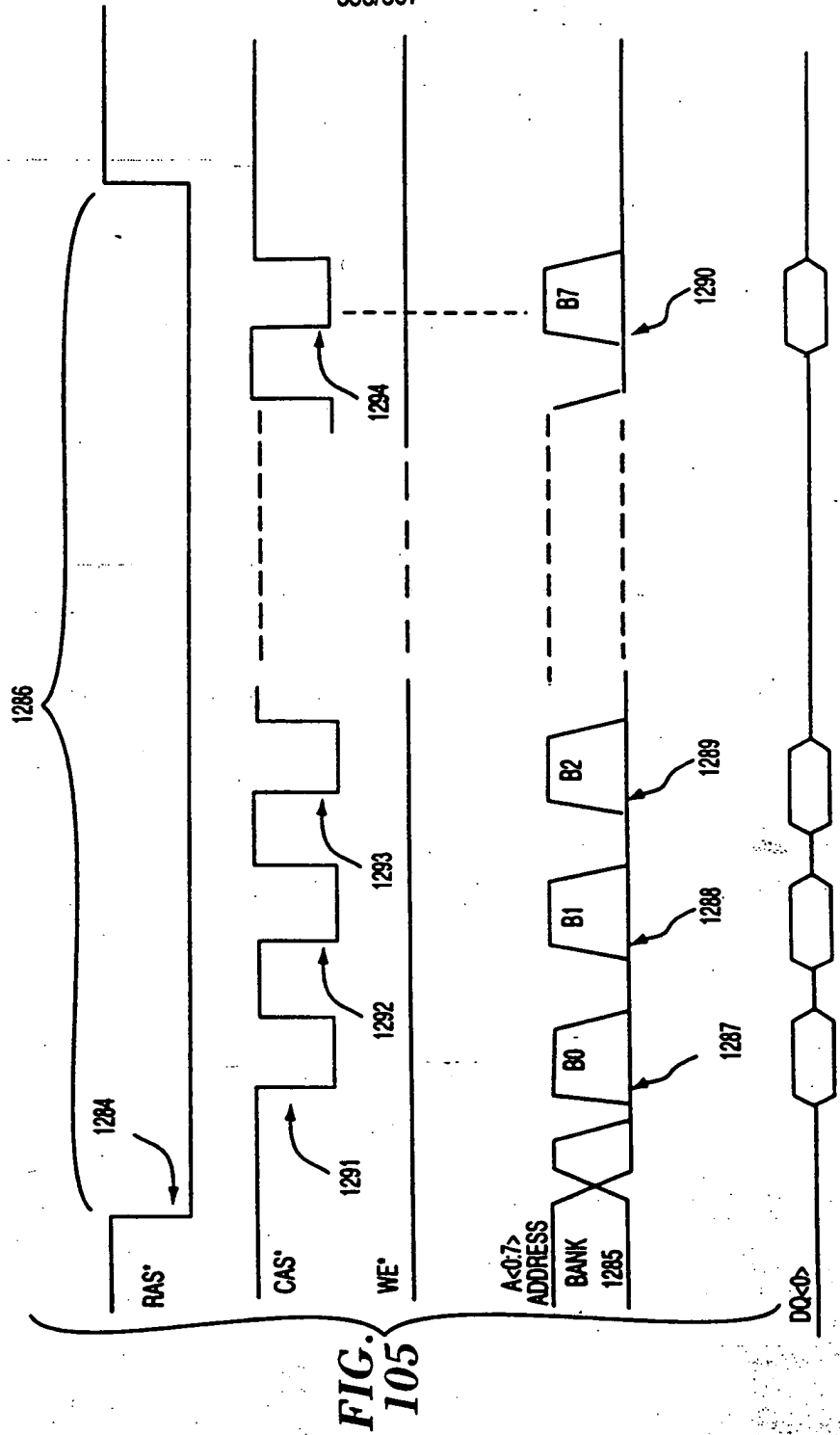


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FIG.  
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11  
T002901/1258860

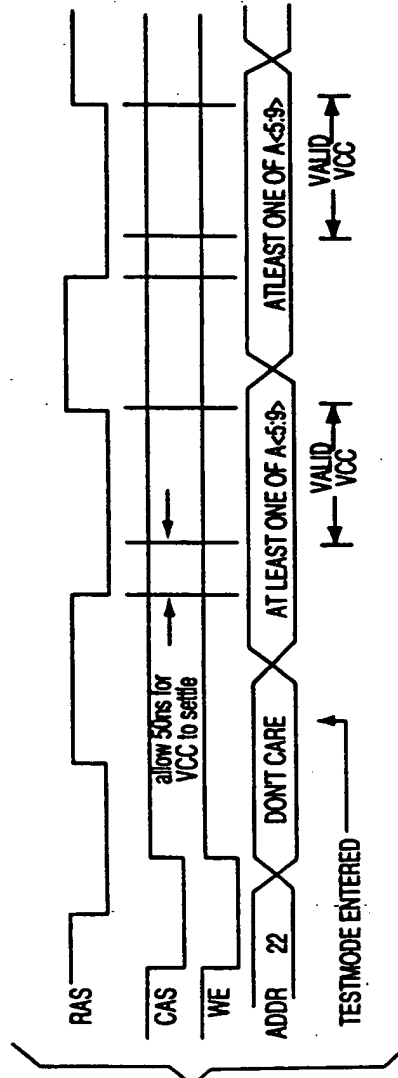


FIG. 106

00885217-062001

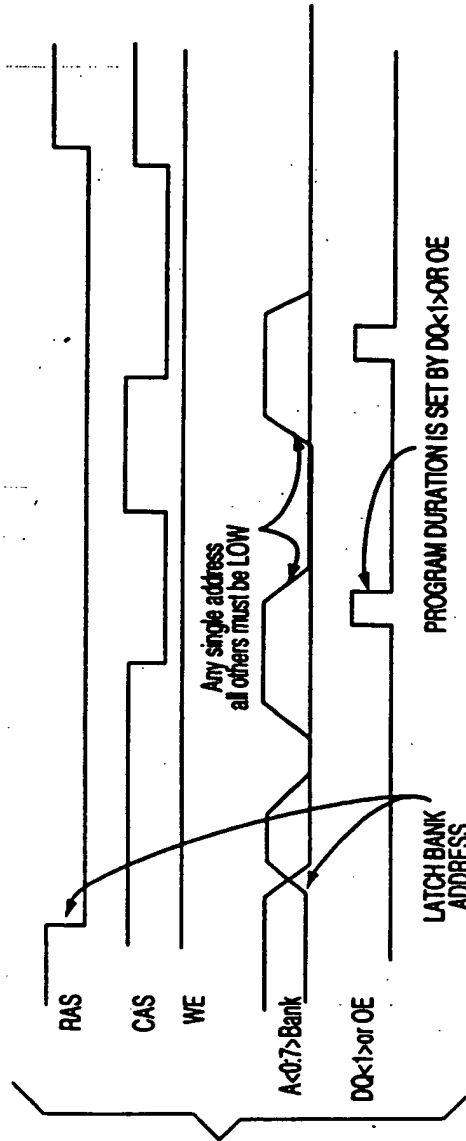


FIG. 107

002907125860

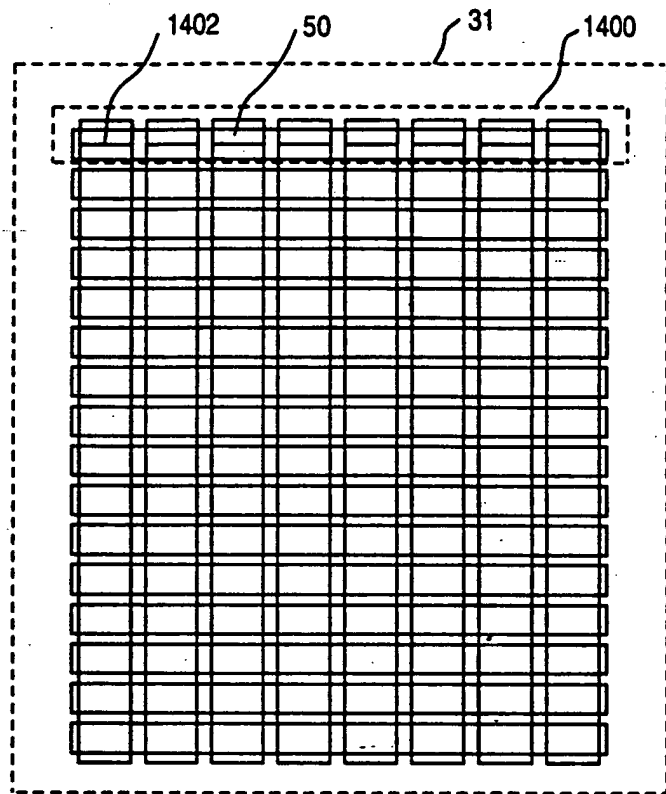


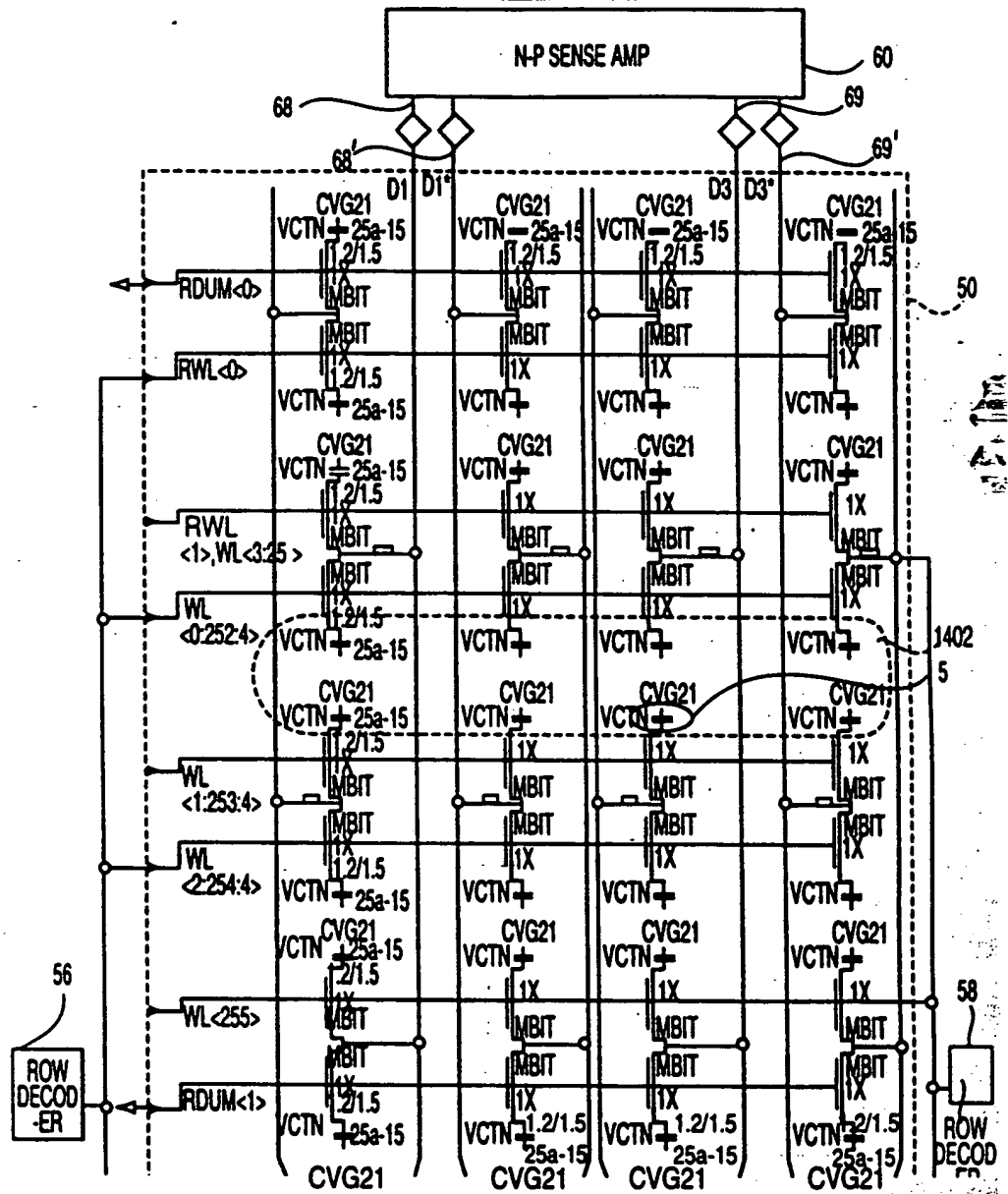
FIG. 108

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**FIG. 109-1**

**FIG. 109-1**

**FIG. 109-2**





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10029071258860

Shrink Factor = 0.24  
Mbit = 2.5 x 5.4 um (drawn)  
0.600um Column Pitch  
0.648 um Row Pitch

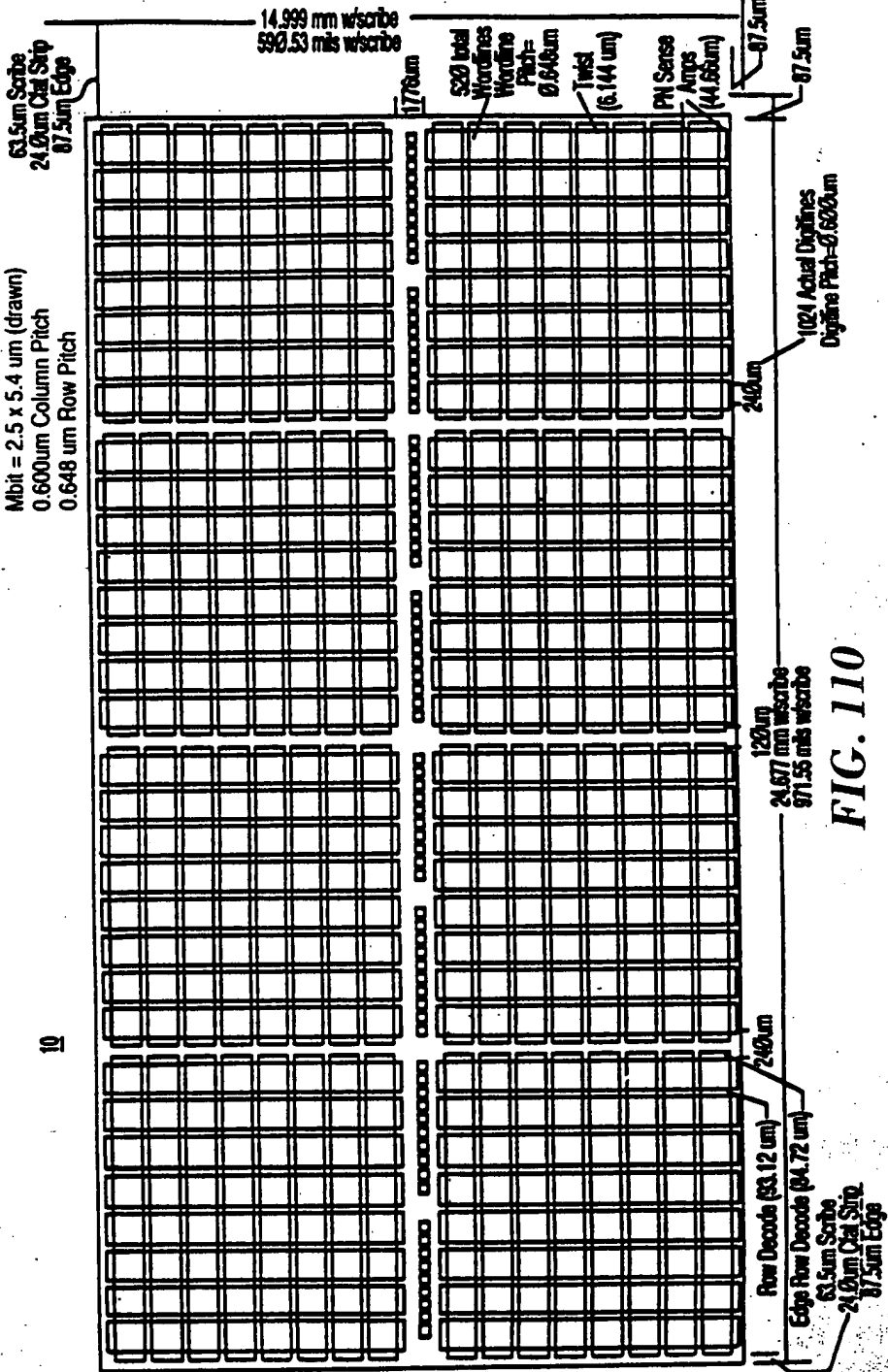


FIG. 110

10029071258860

002901725860

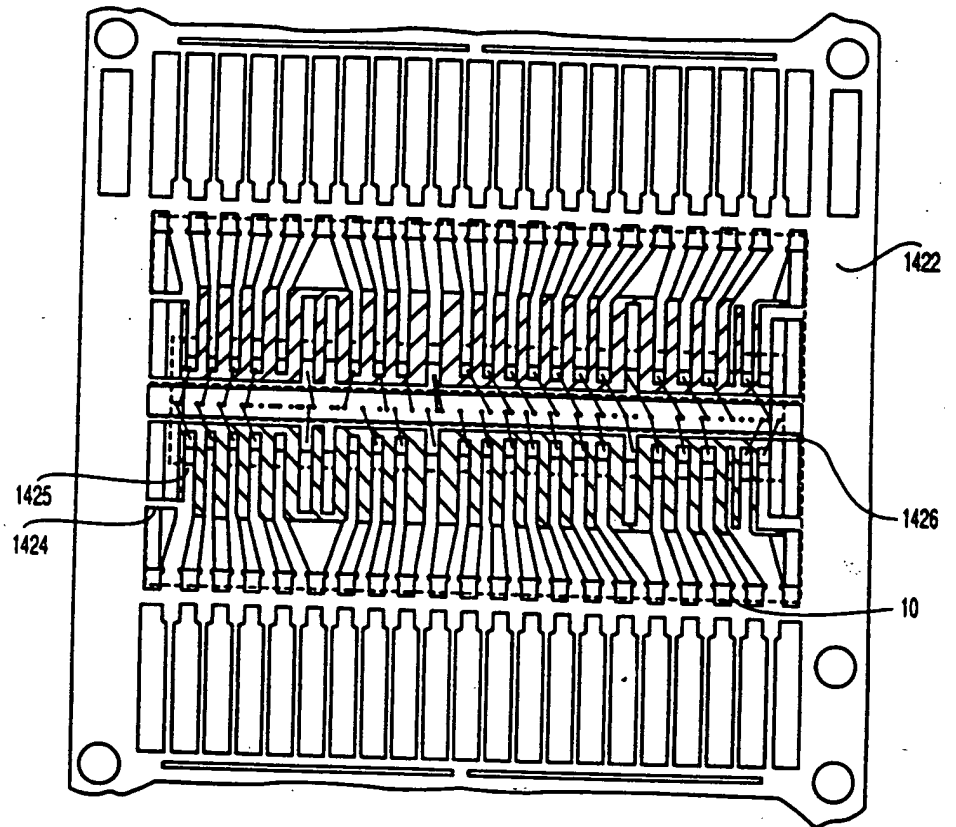
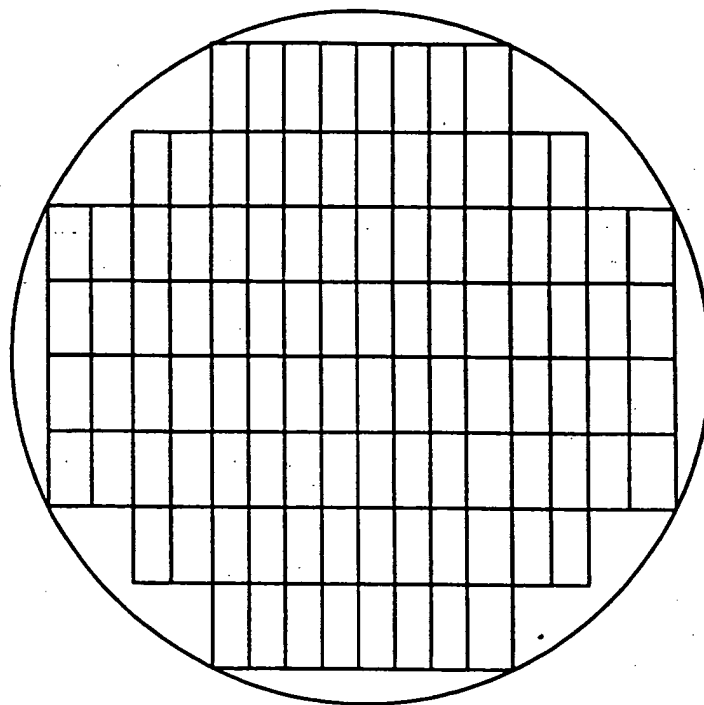


FIG. 111

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09885217062004



**FIG. 112**



09885217-062001

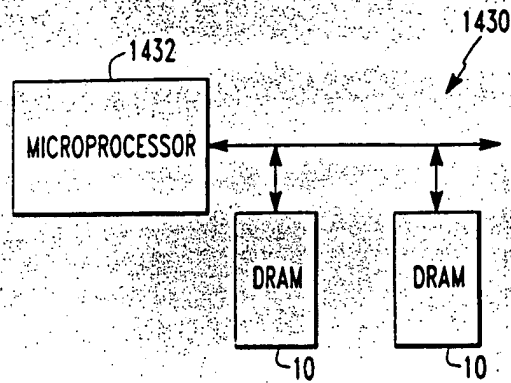


FIG. 113

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